



PANKAJ PRAMANIK

FULL STACK SOFTWARE ENGINEER

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ABOUT ME

I am a Full-Stack Developer with 7+ years of experience leading front-end, back-end development, blockchain dapp development, devops solution and performing quality assurance. I can lead teams of 5-15 people across technology, business, and design departments.

SKILLS

- JavaScript
- TypeScript
- Python
- NodeJS
- ExpressJS
- Django
- React js
- NextJs
- Gatsby
- Nest.js
- React Native
- HTML5
- CSS3
- Bootstrap
- Material UI
- Tailwind css
- D3.js
- Three.js
- HTML /DHTML
- DOM
- XHTML
- CSS
- Ajax
- JQuery
- MYSQL
- Nginx
- Apache Kafka
- Docker
- Kubernetes
- AWS
- AWS Serverless
- CI/CD with Github
- Solidity
- Web3.js
- Ether.js

EDUCATION

Khulna University of Engineering and Technology
Bachelor of Science in Mechanical Engineering

May 2015

I studied Mechanical Engineering at Khulna University of Engineering & Technology. I chose this subject as I knew it would be a solid foundation that I could build on for my future career. Not only has it enabled me to build my development skills, but it helps when discussing technical or design issues with other technical or engineering stakeholders and clients. It also means I can look at any project from a 360-degree angle and I often find myself working through problems using theory and knowledge gained from this course.

EXPERIENCE

Signature Ai, Remote

April 2022 – August 2022

Full Stack Block chain Engineer

- Created smart contracts using solidity programming
- Involved in DAPP development using HTML, Java Script and Node.js and interact with Ethereum Blockchain by using Web3 JS API
- Deployed the smart contract code in Testrpc and perform testing O Created private network with Go-Ethereum.
- Deployed smart contract in different environments using truffle
- Involved in integrating Ethereum blockchain with Metamask browser.
- 2 years of Analytical Sr 3D/WebGL Software Engineer experience in Design, Development, Support and Implementation global enterprise products and services with m – tier client server architecture.
- Optimized loading of hierarchical level of detail meshes to reduce data usage by 30-50%
- Designing and presenting interactive sessions about Bitcoin and Ethereum protocols and presented them to different agencies.
- Worked on variety of Frontend JavaScript frameworks like AngularJS, Backbone.JS, React.js, JQuery, JQuery UI and good knowledge in Ember.JS.
- Created a Node.JS console application to listen for new meeting event to be added to the Blockchain.
- Working on developing Proof of Concepts (POCs) for different uses of Blockchain technology in varied business cases.
- Researching the feasibility of integrating the Hyperledger and Ethereum blockchain to get the best of both the technologies.
- Experience with multiple Blockchain Technology platforms (Ethereum/Hyperledger/Ripple).
- Developed web channel for Retail industry using BlockChain technology using Node.js.
- Configured and completed end-to-end setup of python project Hyper ledger Cello, A "Blockchain as a service" in Amazon AWS using Ubuntu instances.
- Deployed a Smart contract application in Ethereum Blockchain along with designing the frontend of DApps with Meteor JS or React JS along with HTML, CSS and JQUERY running in Digital Ocean.
- Researched several secure technologies for security and scalability for transactions, which includes Blockchain technologies like Ethereum and Hyperledger.
- Currently implementing an Asset Management System (PoC) on Blockchain using Hyperledger Fabric.
- Build automation tool to consolidate whole BlockChain scripts for production deployment.
- Forked and modified bitcoin blockchain using multichain to create test network.
- Enabled digital signing of stocks by custodian banks for making offers in a federated blockchain.

Prime Lab, Remote

March 2022 – August 2022

Full Stack Engineer

- Over 7 years of professional experience in developing and deploying various Object-oriented and web Enterprise Applications using Node.js technologies.
- Redesigned and re-implemented services using NGINX, NodeJS, Express JS, Mongo DB, and MySQL.
- Strong Experience in Designing and Programming Algorithms in python & C/C++.
- Experienced with Database development skills using Database Servers like MySQL, SQL Server 2005, Oracle, and MongoDB.

- Experience with the Middleware using Redux-Thunk, Redux-Saga, Redux-Logger, and Universal React Redux. Expertise in Reacts framework to develop the SPA.
- Responsible for building out the static UI and adding the dynamic attributes to large automotive applications. Created custom Push Notifications, RESTful APIs, and interaction using React-Native-Camera.
- Used Agile/Scrum development methodology and maintained Scrum related information in Rally.
- Experienced in NoSQL technologies like MongoDB, Cassandra, and relational databases like Oracle, SQLite, PostgreSQL, Dynamo DB, and MySQL databases.
- application software using Python and Django in multiple domains.
- Experience in developing applications using amazon web services like EC2, Cloud Search, Elastic Load balancer ELB, S3, and CloudFront.
- Hands-on Experience in AWS like Amazon EC2, Amazon S3, Amazon Redshift, Amazon EMR, and Amazon SQS.
- Implemented APIs with AWS Lambda and Serverless Framework in Node.js
- Did proof of concept work for deploying the in-house application to the AWS cloud using AWS services, in particular EC2 and RDS.

XR FOUNDATION, Remote

November 2021 – June 2022

Blockchain Developer

- Created smart contracts using solidity programming
- Involved in DAPP development using HTML, Java Script and Node.js and interact with Ethereum Blockchain by using Web3 JS API
- Deployed the smart contract code in Testrpc and perform testing
- Deployed smart contract in different environments using truffle
- Involved in integrating Ethereum blockchain with Metamask browser.
- 2 years of Analytical Sr 3D/WebGL Software Engineer experience in Design, Development, Support and Implementation global enterprise products and services with m – tier client server architecture.
- Developed methods for accurate and simultaneous rendering of heterogeneous and multi-resolution meshes without visual artifacts through the application of a Biva Visibility Test (patent pending) o Worked on Mindbenders WebGL engine, performed optimizations on both Virtual Texturing and rendering passes
- Obj/3DS files with Blender & Converting into CTM/FBX Loader. 3D Graphics Programming, WebGL, OpenGL, Web Graphics (Canvas/Svg). Three.js, Fabric.js, 2D & 3D Graphics Rendering Works
- Editing of Glass panels and resizing were done using Three.js, Babylon.js, 2D & 3D Graphics Rendering Works
- Designing and presenting interactive sessions about Bitcoin and Ethereum protocols and presented them to different agencies.
- Build automation tool to consolidate whole BlockChain scripts for production deployment.
- Forked and modified bitcoin blockchain using multichain to create test network.
- Enabled digital signing of stocks by custodian banks for making offers in a federated blockchain.

Vircadia, Remote

November 2021 – April 2022

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PODSCRIBE, Remote

July 2021 – September 2021

Front-End Developer

- Over Extensive 7+ years of experience as a Front-end web developer in developing and designing user experiences of Internet/Intranet applications using HTML, HTML5, XML, DHTML CSS, CSS3, SASS, LESS, JavaScript, React JS, Redux, ES6, Saga, thunk Web pack, Flex, jQuery, JSON, Node.js, Ajax, JQUERY Bootstrap.
- Expertise in analyzing the Document Object Model (DOM) Layout, DOM Functions, JavaScript functions, Cascading Styles across cross-browser using Firebug, Developer Tool Bar.
- Expertise in React Js and working with React Flux architecture.
- Experience with the Middleware using Redux-Thunk, Redux-Saga, Redux-Logger, and Universal React Redux. Expertise in Reacts framework to develop the SPA.
- Experience in Reacts Libraries like redux-thunk and redux-saga. Experience with modern build toolchains, like JavaScript frameworks/technologies such as Express.js, Angular.js, React.js, Mobx, or Flux.js.
- Experience in Unit Testing frameworks like Mocha, Chai, and Jasmine Integration Testing and preparing test cases.
- Expertise in creating Custom Reusable React Components Library Experienced in working with Redux architecture using complex Object-Oriented concepts in improving the performance of the website experience using Reacts components, Forms, Events, Keys, Router, plus Redux, Animations, and Flux concept.
- Good Experience in React Js for creating interactive Ulls using One-way data flow, Virtual DOM, JSX, and React Native concepts.
- Expertise in using Middleware and Redux-Promise in applications to retrieve back-end data and perform RESTFUL services.
- Proficient with various IDEs like Eclipse, Android Studio, Notepad++, and Dreamweaver.
- Experience working with CVs and SVN for software configuration.
- Experienced with Linux system administration, DevOps, and AWS cloud platform.

SPOTTER LABS, Remote

March 2021 – July 2021

Full Stack Developer

- Over 7+ years of experience in developing and designing user-friendly, cross-browser compliant web sites and User Interface (UI) applications using HTML4/5, CSS2/3, Bootstrap, JavaScript, jQuery, jQuery Mobile, JSON, AJAX, XML, React, Next.js, Web Services, Struts, Node.js.
- Expertise in database development and implementation using Oracle, SQL Server, MySQL, MongoDB, and PL/SQL.
- Implemented load balancing with NGINX to allow dozens of Node JS instances to handle thousands of concurrent users.
- Implement modules into Node.js to integrate with designs and requirements.
- Built Gulp process to watch all the new typescript code changes converted into ES6 format for recent browsers.
- Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing, and Glacier for our QA and UAT environments as well as infrastructure servers for GIT.
- Experience in Linux Administration Installation, Configuration, Tuning, and upgrades of Linux (RedHat and Oracle).
- Implemented AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autos calling, Cloud Front, IAM, S3, R53.
- Worked on cloud-based servers like AWS, AZURE, and Rackspace.
- Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
- Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
- Experienced in deploying Micro Services to App Servers and Database Changes to Oracle, db2, and MSSQL.
- Set up Build Infrastructure with Jenkins and Subversion server in AWS.
- Experience in Amazon Cloud (EC2) Hosting and AWS Administration.
- Used Django configuration to manage URLs and application parameters added support for AmazonAWS S3 and RDS to host static/media files and the database into Amazon Cloud also Learnt to deploy projects using Jenkins. Utilized PyUnit, the Python unit test framework, for all Python applications.
- Worked on Python Scientific packages like Numpy and Pandas to handle data sets effectively.
- Good interaction with developers, managers, and team members to coordinate job tasks and a solid commitment to work.

BREAKER NATION, Remote

November 2020 – May 2021

Full Stack Engineer

- Over 7 years of professional experience in developing and deploying various Object-oriented and web Enterprise Applications using Node.js technologies.
- Redesign and re-implemented services using NGINX, NodeJS, Express JS, Mongo DB, and MySQL.
- Experience with the Middleware using Redux-Thunk, Redux-Saga, Redux-Logger, and Universal React Redux. Expertise in Reacts framework to develop the SPA.
- Responsible for building out the static UI and adding the dynamic attributes to large automotive applications. Created custom Push Notifications, RESTful APIs, and interaction using React-Native-Camera.
- Designed and developed custom Mongo DB applications specific to clients' needs.

- Experience with Front-end JavaScript frameworks like React, React Native, Next.js, NodeJS. And with the creation of RESTful Web service.
- Hands-on UML compliant high-level design with data flow diagrams, Class Diagrams, Sequence Diagrams, Activity Diagrams, and Use Cases and documenting for peer developers.
- application software using Python and Django in multiple domains.
- Experience in developing applications using amazon web services like EC2, Cloud Search, Elastic Load balancer ELB, S3, and CloudFront.
- Deployed production site using Apache 2.2 with mod Python and started developing with Django 1.3 beta and currently developing with Django 1.9.
- Hands-on Experience in AWS like Amazon EC2, Amazon S3, Amazon Redshift, Amazon EMR, and Amazon SQS.
- Experience in NoSQL databases like Apache Cassandra (1.2, 2.0, and 2.1) and MongoDB

STARSCRAPER.IO, Remote

July 2020 – February 2021

React Native Developer

- Responsible for building out the static UI and adding the dynamic attributes to large automotive applications. Created custom Push Notifications, RESTful APIs, and interaction using React-Native-Camera.
- Engineered login front-end functionality – including RESTful service calls, keychain, credential storage, routing, token verification, and error notifications for international
- Buick and Chevrolet mobile applications.
- Developed a hybrid mobile platform for automotive applications using JavaScript and React Native, resulting in 88% code share between iOS and Android while reducing development time by 33%.
- Architected application following Atomic Design Principal, leading to 44% increased reusability of components.
- Changed Redux actions to Promises and Lifecycle Methods to asynchronous functions using ES7 async await to manage Reacts level state better and cut Redux container development time by 80%.
- Built features for 100,000+ users through CSS3, Flexbox, Storybook, React Navigation, Layout Animated, and Animated API in response to user scroll and click events to
- Refactored error message handling design by implementing React Native alert dialog resulting in the potential decrease of user input errors by 44%.
- Refactored the app's navigation from the ground up using React Navigation to replicate native interactions. Rebuilt from scratch major feature components to improve performance and clean up code.
- Responsible for adding margin properties to the custom style objects and aligning home menus and swipe bar iOS Android native navigation (e.g., react-native navigation).
- Deployed application to the Google Play Store and Apple Store.
- Used Code Push to deliver over-the-air updates when new features were released or upgraded.

Anekonnct Incorporated, Remote

August 2019 – July 2020

Full Stack Developer

- Over 7 years of professional experience in developing and deploying various Object-oriented and web Enterprise Applications using Node.js technologies.
- Strong Experience in Designing and Programming Algorithms in python & C/C++.
- Experienced with Database development skills using Database Servers like MySQL, SQL Server 2005, Oracle, and MongoDB.

- Experience with the Middleware using Redux-Thunk, Redux-Saga, Redux-Logger, and Universal React Redux. Expertise in Reacts framework to develop the SPA.
- Responsible for building out the static UI and adding the dynamic attributes to large automotive applications. Created custom Push Notifications, RESTful APIs, and interaction using React-Native-Camera.
- Used Agile/Scrum development methodology and maintained Scrum related information in Rally.
- Working under a senior software architect, prototyped a Kafka-based message queuing system as a Spring.
- Designed and developed custom Mongo DB applications specific to clients' needs.
- Experience with Front-end JavaScript frameworks like React, React Native, Next.js, NodeJS. And with the creation of RESTful Web service.
- Hands-on Experience in AWS like Amazon EC2, Amazon S3, Amazon Redshift, Amazon EMR, and Amazon SQS.
- Implemented APIs with AWS Lambda and Serverless Framework in Node.js
- Experienced with complete software development life cycle, architecting scalable platforms, object-oriented programming, database design, and agile methodologies.

Haggerty & Haggerty Digital Services , Remote

September 2018 – August 2019

Full Stack Developer

- Over 7 years of professional experience in developing and deploying various Object-oriented and web Enterprise Applications using Node.js technologies.
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- Experienced with Database development skills using Database Servers like MySQL, SQL Server 2005, Oracle, and MongoDB.
- Experience with the Middleware using Redux-Thunk, Redux-Saga, Redux-Logger, and Universal React Redux. Expertise in Reacts framework to develop the SPA.
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- Experienced with complete software development life cycle, architecting scalable platforms, object-oriented programming, database design, and agile methodologies.

Nivan Tech , Remote

September 2017 – August 2018

Full Stack Developer

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- Experienced with Database development skills using Database Servers like MySQL, SQL Server 2005, Oracle, and MongoDB

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- Hands-on Experience in AWS like Amazon EC2, Amazon S3, Amazon Redshift, Amazon EMR, and Amazon SQS.
- Implemented APIs with AWS Lambda and Serverless Framework in Node.js
- Experienced with complete software development life cycle, architecting scalable platforms, object-oriented programming, database design, and agile methodologies.

Naked Media ,Remote

June 2016 – December 2019

Full Stack Developer

- Over 7 years of professional experience in developing and deploying various Object-oriented and web Enterprise Applications using Node.js technologies.
- Strong Experience in Designing and Programming Algorithms in python & C/C++.
- Experienced with Database development skills using Database Servers like MySQL, SQL Server 2005, Oracle, and MongoDB.
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