Ariful Alam

SOFTWARE ENGINEER · FULL STACK DEVELOPER

Montreal, Quebec, Canada

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Skills

Backend	Node.js, Nest.js, Python, Serverless, REST-API, GraphQL, Lambda, Cognito, Joi, Zod, Google Map API.
Frontend	React.js, Next.js, JavaScript, TypeScript, Styled Components, TailwindCSS, Material-ui, Headless UI, Blueprint-ui, Tachyons, D3, Chart.js, Apache ECharts, React Hook Form, Formik, React-Query, SWR, YUP, Zod.
Database	MongoDB, PostgreSQL, MySQL, DynamoDB, Redis.
Testing	Unit Test, E2E Test, Jest, Cypress, Enzyme, Mocha.js, Chai.js.
DevOps	AWS, Vercel, Serverless. S3, CloudFront, Route53, EC2, Lightsail, Elastic Beanstalk, SES, SNS, API Gateway, Lambda, CI-CD, CodePipeline, CodeBuild, CodeCommit, GitHub, GitHub Actions.
Real-Time	Websocket, Socket.io, Pusher, DynamoDB, Redis.
Soft Skills	Time Management, Teamwork, Problem-solving, Leadership, Mentorship, Flexibility, Adaptability.

Work Experience

Fairstone Bank
Montreal, Quebec, Canada

Sr. Full Stack Developer
Apr 2023 - Present

- Received the **Fairstone Ovation Award** at Fairstone Bank for consistently exceeding expectations and delivering exceptional performance.
- Led and directed cross-functional teams on two major projects, steering the development process from inception to successful deployment.
- Successfully migrated legacy projects to Typescript, improving code maintainability and reducing potential bugs.
- Debugged legacy code to optimize performance with updated libraries and styling standards, resulting in faster load times and improved user experience.
- Designed and implemented serverless solutions using Lambda functions and CDK, resulting in significant cost savings and improved scalability.
- Leveraged Material-UI and Typescript to build reusable components, leading to faster development times and a more consistent user experience.
- Wrote unit tests using Jest and React Testing Library to ensure the reliability and stability of code changes.
- Conducted thorough code reviews, ensuring adherence to code quality best practices and identifying opportunities for improvement.
- Mentored and coached junior developers, fostering a collaborative and growth-oriented environment, resulting in increased team productivity and skill development.
- **Technical Skills:** Node.js, React.js, TypeScript, Jest, Serverless, and AWS.

SecurityScorecard
Montreal, Quebec, Canada

Software Engineer
Feb 2022 - Jan 2023

- Build end-to-end delivery of features with Node.js.
- Designing and managing PostgreSQL database schemas and writing complex SQL queries.
- Writing unit test with Jest & Enzyme, and E2E test with Cypress.
- Documented API details with Swagger.
- Make sure responsive design for both mobile and desktop with React.js.
- Build customized charts from scratch with D3.
- Translate UI/UX design to clean, scalable, maintainable, and reusable code.
- Continuously deploy new features with launchdarkly.
- Working closely and proactively with development team to identify and implement new features.
- Fixed existing product's production issues.
- **Technical Skills:** Node.js, React.js, PostgreSQL, Jest, Cypress, Swagger, D3, and AWS.

Epsilon Solutions USA LLC
Hanover, NJ, USA

Full Stack Developer (Remote)
Oct 2020 - Jan 2022

- Managing Authentication with AWS Cognito.
- Worked with Amplify, S3 file upload (Presigned URL) & AppSync (GraphQL).
- Backend development with Lambda using Node.js & Python.
- Worked with both SQL (PostgreSQL) and NoSQL (MongoDB & DynamoDB) databases.
- Implement video streaming features using AWS Elemental MediaConvert.
- Developed responsive web application with React.js.
- Build customized charts with Apache ECharts.
- Managed subscriptions with Stripe.
- Creating and managing CI/CD with GitHub Actions, CodePipeline, and CodeBuild.
- Mentored juniors to sharpen their skills.
- **Technical Skills:** Node.js, Python, React.js, PostgreSQL, MongoDB, DynamoDB, Apache ECharts, AWS AppSync, AWS Elemental MediaConvert, GitHub Actions, CodePipeline, and CodeBuild.

Ayoojon
Co-Founder & Chief Technology Officer

Dhaka, Bangladesh
Apr 2020 – Oct 2021

- Conceived Serverless architecture for booking system application with Node.js which was hosted on an AWS EC2 machine.
- Nearby events feature with Google Map API and Geographic Document.
- Managed complex queries in MongoDB efficiently.
- Configured SES to send transactional emails.
- Configured CI/CD with CodePipeline, and CodeBuild.
- Build responsive client web application with Next.js.
- Build responsive vendor and admin web application with React.js.
- Developed customized charts with Apache ECharts.
- Attend board meeting with other co-founders to understand business logics and provide guidance on best practices to develop them.
- Mentored juniors to sharpen their skills.
- **Technical Skills:** Node.js, React.js, Next.js, MongoDB, Apache ECharts, AWS EC2, SES, Route53, CloudFront, CodePipeline, and CodeBuild.

Onethread
Full Stack Developer

Dhaka, Bangladesh
Sep 2019 - Apr 2020

- Enterprise Connectivity Platform build with Node.js.
- Configured EC2 machine to run the backend server in AWS.
- Managed complex queries in MongoDB efficiently.
- Build real-time messaging features from scratch with PusherJs.
- Developed rooms feature with online presence, typing indication, file upload, highlighted discussion, and search facilities.
- Managed API documentation with Swagger.
- Developed CI/CD with CodePipeline, and CodeBuild.
- **Technical Skills:** Node.js, React.js, MongoDB, PusherJs, Swagger, AWS EC2, CodePipeline, and CodeBuild.

Onethread
Software Engineer Intern

Dhaka, Bangladesh
May 2019 - Aug 2019

- Build REST-API with Node.js server using Express.js.
- Writing complex queries in MongoDB.
- Tested API with Mocha and Chai.
- Managed API documentation with Swagger.
- **Technical Skills:** Node.js, React.js, MongoDB, Swagger, Mocha, and Chai.

Projects

Digital Financing Application
Senior Full Stack Developer

- Designed intricate APIs and AWS Step Functions for a robust, serverless orchestration service in the backend system.
- Guided and supervised a team of developers, serving as the lead on the project.
- Spearheaded the end-to-end migration and development of the platform.
- Leveraged React.js and TypeScript to execute the development of the web application.
- Ensured seamless error tracking and user event monitoring on both frontend and backend systems through TrackJS.
- Write test cases for both backend (Jest) and frontend (Jest & React Testing Library).
- Mentored and coached junior developers, fostering a collaborative and growth-oriented environment.
- **Technical Skills:** Node.js, React.js, Jest, DynamoDB, and AWS.

Instant Quotes
Senior Full Stack Developer

- Spearheaded the end-to-end migration and development of the platform.
- Leveraged React.js and TypeScript to execute the development of the web application.
- Constructed project infrastructure with Node.js, TypeScript, and AWS services (Lambda, DynamoDB) for scalable, seamless functionality.
- Ensured seamless error tracking and user event monitoring on both frontend and backend systems through TrackJS.
- Write test cases for both backend (Jest) and frontend (Jest & React Testing Library).
- Mentored and coached junior developers, fostering a collaborative and growth-oriented environment.
- **Technical Skills:** Node.js, React.js, Jest, DynamoDB, and AWS.

SecurityScorecard
Software Engineer

- Track cybersecurity ratings, find and resolve critical security risks.
- Re-build risk-control platform for the insurance squad.
- Create insurance-analytic API with an internal data store and CUBE.
- Write test cases for both backend (Jest) and frontend (Jest & Cypress).
- Implement client-side features with React.js followed by Figma UI/UX.
- **Technical Skills:** Node.js, React.js, PostgreSQL, Jest, Cypress, and AWS.

Typhoon On Demand
Full Stack Developer

- Typhoon makes it easy to upload and share your film with the world.
- Virtual theater, streaming analytics and personal filmmaker portal.
- API development using Node.js & Python with DynamoDB.
- Managed user subscriptions with Stripe.
- Implement client-side features with React.js followed by Figma UI/UX.
- **Technical Skills:** Node.js, React.js, DynamoDB, Stripe and AWS.

EPL Innovative Solutions
Full Stack Developer

- EPL is a medical service provider followed by AWS HIPPA compliance.
- API development using Python & Node.js with PostgreSQL.
- Responsive web application with React.js & Next.js.
- **Technical Skills:** Node.js, Python, React.js, Next.js, PostgreSQL, AWS HIPPA compliance, Textract, and Cognito.

Jantt
Full Stack Developer

- Jantt services are designed so that business owners will not have to perform any accounting functions or hire internal staff.
- API development using Python & Node.js with PostgreSQL.
- Data source integration with QuickBooks, and Gusto.
- Build responsive web application with React.js.
- Managed user subscriptions with Stripe.
- **Technical Skills:** Node.js, Python, React.js, PostgreSQL, QuickBooks, Gusto, Stripe, and AWS.

JustAskLucy
Full Stack Developer

- A tool to help client to create new ideas for your toughest challenges.
- API development using Python with PostgreSQL.
- Developed responsive web application with React.js.
- **Technical Skills:** Python, React.js, PostgreSQL, and AWS.

The PLMC
Full Stack Developer

- Music Royalty Company gathers digital royalty for singers and producers.
- Collects royalty from Spotify.
- Build backend server with Java Sprint.
- Integrated Spotify to track artist's records.
- Writing efficient queries in MongoDB.
- Developed responsive web application with React.js.
- **Technical Skills:** JAVA Spring, React.js, MongoDB, Spotify, and AWS.

Ayoojon
Chief Technology Officer

- Build services with booking management.
- Build nearby events feature with Google Map API & Geographic Document.
- API development using Node.js with MongoDB.
- Developed responsive web application with React.js & Next.js.
- **Technical Skills:** Node.js, React.js, Next.js, MongoDB, and AWS.

Onethread
Full Stack Developer

- API development using Node.js with MongoDB.
- Build real-time messaging features with PusherJs.
- Responsive web application with React.js.
- **Technical Skills:** Node.js, React.js, PusherJs, MongoDB, and AWS.

Masjid Finder
Full Stack Developer

- CRUD operations with Node.js REST-API & managed complex queries in MongoDB efficiently.
- Find nearby masjid features with Google Map API and Geographic Document.
- Developed responsive web application with React web platform.
- **Technical Skills:** Node.js, React.js, MongoDB, and Google Map API.

Education

American International University-Bangladesh (AIUB) *Dhaka, Bangladesh*

BSc in Computer Science and Engineering *May 2016 - May 2019*

- Graduated Summa Cum Laude.
- Cumulative GPA of 3.96/4.00.
- Received dean's list 4 times.

Languages

Bengali Native proficiency
English Professional proficiency