

Ariful Alam

SOFTWARE ENGINEER · FULL STACK DEVELOPER

Montreal, Quebec, Canada

+14384624424 | alamariful1727@gmail.com | linkedin.com/in/alariful1727 | github.com/alariful1727 | arifulalam.com

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

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

Dhaka, Bangladesh

Co-Founder & Chief Technology Officer

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

Dhaka, Bangladesh

Full Stack Developer

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

Dhaka, Bangladesh

Software Engineer Intern

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

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 Spring.
- 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