

Fasalu Rahman

SOFTWARE ENGINEER | FULL STACK DEVELOPER

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Summary

Full Stack Software Engineer with a strong foundation in the MERN stack for building secure, scalable applications and extensive experience developing user-facing exchange portals for the National Stock Exchange of India (NSE) at Tata Consultancy Services. Proficient in Node.js, React.js, Next.js, MongoDB, and Pro*C for high-performance data processing. Skilled in Google Cloud Platform (GCP), Firebase, and payment gateway integrations, enabling seamless digital solutions. Experienced in Adobe Photoshop, Illustrator, Premiere Pro, and Figma from a young age, combining technical expertise with creative design to produce visually appealing and user-friendly interfaces.

Skills

- **Backend:** Node.js, Express.js, MongoDB, SQL, Pro*C
- **Frontend:** React.js, Next.js, Flutter, JavaScript, jQuery, CSS
- **Cloud/DevOps:** GCP, AWS, Firebase, Github, CI/CD, Vercel, Heroku
- **Design Tools:** Figma, Adobe Photoshop, Adobe Illustrator
- **Operating Systems:** Linux, Windows, macOS
- **Others:** Git, Payment Gateway Integration, Google Maps Platform (GMP), SEO

Experience

System Engineer | October 2022 – August 2024

TATA Consultancy Services, Mumbai

National Stock Exchange of India project

- Developed and optimized backend services using Node.js, achieving 30% reduction in latency for user facing trading systems.
- Enhanced data retrieval with Oracle SQL and Pro*C, processing over 10,00,000 plus transactions per day.
- Deployed applications on Google Cloud, resulting in a 20% improvement in system reliability.
- Automated routine tasks using Bash scripting, cutting operational time by 25%.
- Collaborated with front-end teams on React and Flutter, supporting over 1 million daily users with seamless interactions.
- Spearheaded the migration to a microservices architecture, improving system scalability by 40%.
- Reduced deployment time by 50% by automating CI/CD pipelines, ensuring consistent code quality.
- Mentored more than 10 junior developers, leading workshops on best practices and coding standards.

Full Stack Developer | January 2021 – September 2022

Krop Artificial Intelligence, Udupi

- Engineered backend solutions using Node.js, reducing API response time by 15%.
- Streamlined authentication workflows with Firebase, handling over 200 daily logins with enhanced security.
- Deployed and maintained scalable applications on Google Cloud, achieving 99.9% uptime.
- Led frontend initiatives using ReactJS, increasing user engagement by 25% on web and mobile platforms.
- Optimized database performance on MongoDB, reducing query time by 20%.
- Implemented CI/CD pipelines with GitHub Actions, ensuring quick, reliable deployments across all environments.

Projects

Sambhram Web Application

Lead Developer | MERN Stack, Razorpay, Nodemailer

Developed a robust registration and event management platform for **Sambhram**, one of India's largest technical and cultural fests, supporting 5,000+ participants.

- Developed a registration platform for Sambhram, an All India Technical and Cultural Fest with 5,000+ participants.
- Integrated Razorpay for secure payments, processing over 1,000 transactions and achieving 100% payment accuracy.
- Built automated email notifications with Nodemailer, sending 5,000+ e-tickets with zero delays.
- Created an Admin Panel for real-time participant tracking, reducing manual work by 80%.
- Implemented digital certificate generation, saving 200+ hours in manual issuing and delivery.

Education

B.E. in Computer Science | August 2018 – April 2022

Visvesvaraya Technological University

- Secured First Class with Distinction.

PUC | July 2016 – March 2018

Kerala Board of Higher Secondary Education

- Secured First Class with Distinction.

10th Grade | June 2015 – March 2016

Central Board of Secondary Education

- Secured 8.0 CGPA.

Certifications

- [AWS Cloud Technical Essentials](#), Coursera
- [Web Development Bootcamp](#) by Angela Yu, Udemy
- [Flutter and Dart](#), Academind
- [Git & Github](#) - The Practical Guide, Academind
- [Node.js The Complete Guide](#), Academind