

ROBIUL HASSAN

Senior Full-Stack Engineer

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Summary

Highly accomplished Senior Software Engineer with 8+ years of experience in full-stack development, specializing in **Ruby on Rails** and modern JavaScript frameworks like **ReactJS/Next.js**. Proven expertise in designing, developing, and deploying scalable, high-traffic web applications, optimizing API performance, and building robust cloud-native solutions on AWS with Kubernetes and Terraform. Adept at leading complex system migrations, automating CI/CD pipelines, and driving performance improvements to deliver exceptional user experiences.

Key Achievements

- **20% Strategic Cost Optimization:** Reduction in AWS cloud spend through efficient resource management and automation initiatives.
- **30% System Performance Engineering:** Reduction in server load on legacy COBOL systems through modern platform migration.
- **40% Enhanced User Experience:** Faster page load times achieved through front-end redesign and optimization strategies.

Technical Skills

- **Programming Languages:** Ruby, JavaScript, Python, Java
- **Web Frameworks:** Ruby on Rails, ReactJS, Next.js, Angular, Spring-Boot
- **Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, Aurora), Kubernetes, Docker, Terraform, Helm, Jenkins, GitLab CI, Ansible, OpenShift, CI/CD
- **Databases:** PostgreSQL, MySQL, MongoDB, DynamoDB, CouchDB, DB2
- **Methodologies & Tools:** Agile/SCRUM, Microservices Architecture, API Development, Git, Visual Studio Code, IntelliJ, TeamCity, Apache Airflow

Technology Stack Focus

- **Backend (Rails, Java):** 45%
- **Frontend (React, Next, Angular):** 35%
- **DevOps & Cloud (AWS, K8s):** 20%

Career Progression

Senior Software Engineer — Mission Wired

Sept 2024 - Present

- Led critical MySQL infrastructure upgrades with Terraform.
- Drove modernization of a legacy application to Next.js, enhancing performance and UX.

Senior Software Developer — Digilant

May 2022 - May 2024

- Spearheaded full-stack development (ReactJS, Ruby on Rails) for high-traffic applications.
- Automated ETL pipelines and optimized CI/CD with Docker & Kubernetes for faster deployments.

Data Platform Engineer — FreeNow & Cognizant

Jan 2022 - May 2022

- Engineered cloud infrastructure, GraphQL APIs, and reactive microservices.
- Contributed to critical data platform optimizations and system migrations.

Front-End Developer — Finterra Technologies

Nov 2017 - Oct 2019

- Developed and redesigned web applications with Angular.
- Architected microservices infrastructure and automated deployments.

Project Highlights

- **Pace-Tracker:** Automated ETL process and developed a dashboard using Ruby on Rails, ReactJS, and NodeJS for advertisement pacing insights. Focused on data ingestion, transformation, and visualization for critical business metrics.
- **Corporate Action:** Integrated with T24 and TCS Bancs for corporate action processing using Ruby on Rails, ReactJS, and NodeJS. This involved complex financial data reconciliation and seamless system-to-system communication.
- **Crypto-Exchange:** Ruby on Rails and Angular implementation of Ethereum and ERC20 token transfer from client to client. This project highlighted robust security practices and real-time transaction handling.
- **DataFlow (Ongoing):** Personal web application for managing and visualizing data workflows. This project explores large-scale data integration, real-time analytics, and intuitive user interfaces for complex data pipelines. [Live Demo](#)
- **SmartShop (Ongoing):** Intelligent shopping assistant web application designed to find the best prices, optimize routes, and save time & money on every grocery trip! Focuses on efficient data retrieval and algorithmic route planning. [Live Demo](#)
- **DSL Engine:** Custom Java-based DSL engine for parsing text into SQL and JavaScript to process warehouse data, reducing server load on legacy COBOL systems by 30%. Demonstrated strong problem-solving and optimization skills.

Education & Certifications

Florida Atlantic University

Master of Science in Computer Science | May 2025 - Present

Asia Pacific University

Bachelor of Engineering - Computer Science | May 2015 - Nov 2018

Certifications

- Ultimate AWS Certified Developer Associate (Udemy, 2020)
- Certified Kubernetes Application Developer (Udemy, 2020)
- NgRx (with NgRx Data) - The Complete Guide (Udemy, 2020)
- PyTorch Scholarship Challenge from Facebook (Nov 2018-Jan 2019)
- The Complete Angular Course (Udemy, May 2017)
- Intro to AI: UC Berkeley CS188 (ai.berkeley.edu, July 2017)