

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.

Strategic Cost Optimization

20%

Reduction in AWS cloud spend through efficient resource management and automation initiatives.

System Performance Engineering

30%

Reduction in server load on legacy COBOL systems through modern platform migration.

Enhanced User Experience

40%

Faster page load times achieved through front-end redesign and optimization strategies.

Technical Skills

A comprehensive overview of my technical expertise across various domains.

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

My expertise predominantly spans **Backend (Rails, Java)** and **Frontend (React, Next, Angular)** development, representing **80%** of my specialized skill set. This strong foundation is further enhanced by robust **DevOps & Cloud** capabilities.

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

Front-End Developer

Finterra Technologies | Nov 2017 - Oct 2019

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

- 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.

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)