HARSH MITHAIWALA

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Portfolio Website: Harsh Mithaiwala Portfolio website

PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years of experience in designing and developing scalable web applications. Proficient in React, Node.js, Next.js, and RESTful APIs, with experience in microservices architecture. At Altq Financial Services, implemented key automation workflows that substantially improved system efficiency and data retrieval processes. Seeking a challenging Full Stack Developer position to leverage my skills in building innovative and efficient solutions.

WORK EXPERIENCE

Web Developer | **Altq Financial Services**   **September 2023 - present**
- Engineered high-performance web applications using Next.js, React, and Node.js, optimizing frontend rendering and backend efficiency through state management (Redux) and API enhancements.
- Integrated distributed computing principles with microservices architecture, enhancing real-time processing, fault tolerance, and authentication security. Designed and implemented automation workflows with Python, reducing manual operations in data retrieval, leading to a 30% increase in system efficiency.

Graduate Engineer Trainee | **Nokia Solutions and Networks**   **July 2021 - August 2022**
- Optimized cloud-native infrastructure using Nokia Cloud Services, significantly improving latency reduction, failover mechanisms, and network resilience. Developed intelligent monitoring scripts in Python and Bash, automating network diagnostics and capacity prediction models, reducing operational delays by 40%.
- Led the virtualization and User Acceptance Testing (UAT) of network configurations, proactively identifying and resolving system faults and enhancing scalability and predictive maintenance.

Front End Developer Intern | **Supero Software**   **Sept-2020 - Oct-2020**
- Developed modular, reusable UI components using Angular, Materialize CSS, and TypeScript, improving code maintainability and reducing frontend rework by 20%. Built a highly interactive and mobile-first UI, ensuring cross-browser compatibility and accessibility compliance, enhancing user engagement metrics.
- Optimized frontend API handling, reducing data fetch latency and improving dynamic content updates using RESTful API integration.

Web Development intern | **Curiosum Tech. Ltd.**   **April-2020 - June-2020**
- Automated data processing workflows using Google Apps Script, eliminating manual intervention in notifications, event triggers, and real-time form synchronization. Designed event-driven systems using the publish-subscribe pattern, reducing UI lag and boosting app response times and enhancing efficiency by 25%.

SKILLS

Languages & Scripting: Java, Python, TypeScript, JavaScript, SQL, Bash.
Frontend: React, Angular.js, NextJS, HTML5, CSS3, Material-UI, GraphQL, Redux, jQuery.
Backend: Node.js, Express, Spring, RESTful APIs, WebSocket, Azure Cosmos DB, MongoDB, SQL, Firebase, PostgreSQL, Postman, Swagger.
Cloud & DevOps: AWS, Azure, Firebase, Heroku, Docker, Kubernetes, CI/CD, GitHub.
Architecture & System Design: Microservices, Event-Driven, MVC, Publish-Subscribe, Object oriented programming, Design Patterns, Data Structures, Performance Optimization, Agile (Scrum), Security, AI, Big Data.

EDUCATION

Master of Computer Science   **September 2022 - August 2024**
Concordia University, Montreal, QC   GPA: 3.96/4.3

Relevant Coursework: Algorithms, Artificial Intelligence, Distributed Systems, Big Data Analytics, Software Maintenance, Software Security, Database Management Systems, System Design.

Bachelor of Engineering in Computer Engineering   **July 2017 - May2021**
Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India   GPA: 8.74/10

PUBLICATION

- Title: **Decentralized Blockchain-Based Framework for Securing Review System**
- Publisher: Springer | Apr 2022
- **Summary**: Developed a decentralized system using Ethereum blockchain, smart contracts, and Angular for the frontend. Implemented distributed ledger technology to ensure data integrity, immutability, and security of online product reviews. Designed a tamper-proof mechanism with scalability, high availability, and fault tolerance. Leveraged smart contracts for automated verification, secure transactions, and real-time consensus, enhancing performance optimization and fraud prevention in web-based applications.

PROJECTS

INSTAGRAM INSIGHTS
- Technologies: Azure Cosmos DB, Blob Storage, React, Node.js, MongoDB
- Description: Designed and implemented a distributed data architecture for Instagram Insights using React, Node.js, and NoSQL databases (MongoDB, Azure Cosmos DB). This architecture improved data retrieval speeds and enabled real-time analytics by distributing data across multiple regions. Specifically, I was responsible for developing the API layer with Node.js and optimizing database queries for faster performance.

EXPENSE TRACKER
- Technologies: Angular, Spring Boot, PostgreSQL, Tailwind CSS, JWT, Docker
- Description: Developed a full-stack expense tracker with a secure Spring Boot backend and an Angular frontend. Implemented JWT authentication, CRUD operations for expenses, a monthly summary report, and optimized database queries. Ensured scalability with Docker, cron jobs, and CORS fixes for smooth frontend-backend communication.
- **Link:** Hosted on Netlify & Render (https://expense-tracker-frontend-tool.netlify.app/login)

SHOW YOUR UPDATES
- Technologies: Angular, Firebase, RESTful APIs.
- Description: Developed a real-time community platform using Angular and Firebase, enabling users to easily create, share, and manage posts. Implemented data validation and RESTful APIs to ensure data integrity and seamless communication between the frontend and backend. My focus was on building the interactive user interface and optimizing the platform for real-time updates.
- Link: https://live-posts-dce78.web.app/home