Mohamed Sharukh Shaji

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EDUCATION

University of Cincinnati — Cincinnati, OH
Master of Science in Information Technology, GPA: 4.0 — *Aug 2022 – Dec 2023*

Anna University — Chennai, India
Bachelor of Engineering in Electronics and Communication — *Aug 2015 – Apr 2019*

EXPERIENCE

Full stack developer Intern — Sept 2023 – Dec 2023
Nuubi Inc — *Miami, FL*

- Developed a Full-stack e-learning application for students using **React, Node, Express, and React Native**.
- Reduced API latency (from 10 to 3 seconds) via **REST APIs** employing microservices architecture on **AWS Lambda and DynamoDB** to serve 10k+ students.
- Architected a real-time messaging system, through the utilization of **Socket.IO**.
- Achieved a 40ms reduction in **PostgreSQL** database query execution time by optimizing the database architecture and utilized AWS (**Elastic Beanstalk, EC2, Lambdas**) for cloud services.

Software Engineer — July 2021 – Aug 2022
Infosys — *Bangalore, India*

- Developed server-side web services in **Java** using Spring Boot; Implemented a feature to facilitate concurrent database updates in SQL Server to improve application performance by 40%.
- Employed **Redux** for state management, leading to a decrease in load times and increase in app responsiveness.
- Leveraged **Docker** to containerize Frontend and API for easy deployment and scalability.
- Established automated build processes using **Azure Pipelines**, replacing outdated manual developer workflows.
- Devised and architected complex and fail-proof database updates to avoid data corruption.

Software Engineer — Nov 2019 – Feb 2021
Cognizant — *Pune, India*

- Modernized the UI using **React**, and implemented key features resulting in an elevated user experience.
- Improved user satisfaction by 2x points through Java-based RESTful APIs with **Spring Framework**.
- Dockerized **microservices** and automated daily builds, reducing processing time using **Jenkins CI/CD**.
- Identified and addressed 100+ security vulnerabilities to improve reliability, security, and maintainability and **documented** the process for future use across the organization.
- Decreased project delivery time and cut costs by $300K via the implementation of **Agile and Scrum** methodologies.

PROJECTS

Order Management System | *Java, Spring boot, Kafka, PostgreSQL, Swagger, Docker*

- Devised and developed an order management system to get and post the single and bulk order.
- Implemented bulk order creation and updating using Kafka to achieve Asynchronous mechanism.

SpeedEats | *React, Redux, Node, Express, MongoDB*

- Built a food delivery app incorporating cart functionalities and integrating a secure payment gateway.
- Spearheaded the implementation of robust user authentication mechanisms, and elevated the search capabilities.

College Enquiry Bot | *Google Cloud, Google Dialogflow*

- Designed a cloud-based chatbot for college inquiries using Google Dialogflow.
- Enabled real-time responses to student queries on school information and course-related matters.

TECHNICAL SKILLS

Technologies: Java, Python, JavaScript, XML, Unix
Frameworks: React, AngularJS, NodeJS, ExpressJS, JQuery
Databases: MySQL, SQL Server, PostgreSQL, NoSQL, MongoDB
Cloud: Microsoft Azure, AWS, Docker, Kubernetes
Tools: Git, Postman, Jira, Visual Studio Code