Mohamed Sharukh Shaji

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EDUCATION

University of Cincinnati　　　　　　　　　　　　　　　　　　　　　　　Cincinnati, OH
Master of Science in Information Technology　　　　　　　　　　　　　*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 an 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- Established automated build processes using Azure Pipelines, replacing outdated manual developer workflows.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

College Enquiry Chatbot | *Google Cloud, Google Dialogflow*

- Designed a cloud-based chatbot for college inquiries leveraging Google Dialogflow a SaaS product of Google Cloud, enabling real-time responses to student queries on school information and course-related matters.

SpotifyHue | *Python, JavaScript*

- Built a program to synchronize Philips Hue lights with Spotify song album art colors.

PinCast | *Angular, Node.js, JSON, REST API, HTML, CSS, and JavaScript.*

- Engineered a real-time weather app based on Google Maps and Weather API.

TodoWoo | *Django, BootStrap4, Django Forms, and SQLite3.*

- Coded a To-do List App with task creation, completion, prioritization, and deletion.

TECHNICAL SKILLS

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