Aishwarya Manoharan

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San Francisco Bay Area

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EDUCATION

Master of Science, Software Engineering   **Aug '23 - Present**
San Jose State University, California
- **Coursework:** Analysis of Algorithms, Cloud Technologies, Database, Virtualization Technologies, Data Mining, Distributed System, Smartphone App Development, Enterprise Software Platforms

Bachelor of Engineering, Computer Science   **Jul '16 - May '20**
Anna University, India, GPA: 3.4/4.0

SKILLS

Languages & OS: Python, Java, JavaScript, HTML, SQL, shell-script, Linux
Frameworks & Libraries: Django, SpringBoot, Bootstrap, Pyspark, NodeJS, ReactJS
Databases IDE and Tools: MySQL, PostgreSQL, MongoDB, DynamoDB, Git, GraphQL, Docker
Cloud Technologies: AWS: EC2, S3, ELB, ElasticBeanStalk, Lambda, SQS & SNS, Kubernetes, CloudFront

EXPERIENCE

Software Engineer - Infosys, India   **Oct '20 - Nov '22**
- Automated the e-verification feature for the newly added customers' payment details via a third-party banking system by building new RESTful API endpoints, which led to a 70% reduction in new customer onboarding time.
- Responsible for monitoring production servers and fixing them for better customer experience. Automated report creation process and streamlined 20+ report generation which resulted in 15% reduction in escalation turn-around time.
- Created and implemented an internal framework utilizing RESTful APIs to systematically validate the full spectrum of production lifecycle operations, which was later adopted by 5+ XFN teams.

ACADEMIC PROJECTS

Twitter Trends & Connect
- Leveraged tweet data using the Twitter API and displayed the same on a HeatMap using the Google Maps API while utilizing the ElasticSearch changefeed property to stream live data for a particular keyword using Kafka.

Inventory Management Portal
- Designed an Inventory Management portal application with online & offline integration into the billing system. Provides real-time tracking of product inventory levels and demand Forecasting with an interactive UI using ReactJS. Features like Space optimization, Expiration date tracking, Seasonal demand forecasting & Regulatory reporting were implemented.

Stroll (crowdsourcing app)
- Stroll brings authentic walking tours designed by people who live and work there with crowd-sourced reviews and photos. Popular nearby routes with unique experiences will be surfaced to the user based on the app location, where they can add photos, ratings, and comments on the highlighted tours.

Neighborhood Connect
- Developed a Social Networking platform for neighborhoods, which enables people to connect with others living in their neighborhood and block. Designed RESTful APIs using Flask micro framework & developed this website as an SPA(single page application).

Ecommerce Web Application
- Modeled a customized web application with an aim to mimic real-world E-Commerce giants with major features like Product search, product review and rating, shopping cart with PayPal & credit/debit payments, login/logout, and user profile. Additionally, the admins can manage other users, order details, and product details pages. For ordering, we used SQS to maintain fairness, deployed with multiple EC2 instances and an App load balancer for high availability.

CERTIFICATIONS & AWARDS

AWS Certified Cloud Practitioner
E-Leader, Certified from National Entrepreneurship Network (NEN) of India.

Best Outstanding Employee of the Year 2021, Infosys, India.