LAKSH GANGWANI

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Seeking 2024 Full-Time Opportunities

Education

Master of Science in Computer Science, Arizona State University *Expected May 2024*
Coursework: *Cloud Computing, Distributed Database Systems, Mobile Computing* *GPA: 3.96/4.0*

Bachelor of Computer Science, Indian Institute of Information Technology, Dharwad *Aug 2018 - May 2022*
Coursework: *Data Structures, Software Engineering, Object Oriented Programming, Database Management* *GPA : 8.93/10*

Skills

Languages: C, C++, C#, Java, Python, Javascript/TypeScript, GO, SQL, R
Developer Tools: Visual Studio Code, Postman, Git, Android Studio, Docker, Kubernetes, Monitoring and Logging, Linux, Playwright
Frameworks/Technologies: AWS (EC2, Dynamo-DB, API-Gateway, Lambda, S3, SQS), React, Angular, CSS, Tailwind CSS, Bootstrap, Jquery, REST API, Spring Boot, Node.js, Flask, .NET, MongoDB, PostgreSQL, Rest Assured
Software Development Practices: Agile, Scrum, Jira, Test Driven Development, Guthub, Devops, Continuous Integration, Jenkins, Confluence
Soft Skills: Communication, Team work, Problem Solving, Leadership, Time Management, Decision making, Interpersonal skills

Experience

Software Development Engineering Intern *June 2023 - Present*
Rocket Lawyer *San Francisco, CA*
- Contributing to the modernization of the API testing framework by transitioning from a legacy Postman suite to a REST Assured TestNG suite, resulting in a 30% increase in testing efficiency.
- Actively engaging in creating and executing Automated Testing scripts for comprehensive end-to-end tests utilizing **Playwright**, seamlessly integrated with Jenkins **CI/CD** pipelines, which accelerated regression testing cycles by 20%.
- Enhancing project documentation, improving clarity and accessibility for team members, and facilitating smoother onboarding and collaboration processes.

Software Engineering Intern *Feb 2022 - June 2022*
Samsung SDS *Delhi, India*
- Collaborated as a key member of the front-end team, employing **Vue.js** to enhance user interface performance, resulting in a **25%** improvement in user engagement.
- Innovated a **React.js** powered analytics dashboard, which improved data visualization and decision-making insights for project stakeholders.
- Contributed to backend development with **Spring Boot**, streamlining API performance and integration processes.
- Further solidified project foundations by achieving **AWS Certified Cloud Practitioner** certification, leveraging cloud technologies to boost scalability and reliability.

Projects

PaaS-AWS-Smart Classroom — *Python, Docker, DynamoDB, EC2, S3* *May 2023*
- Built an elastic application that can automatically scale out and in on-demand and cost-effectively by using the **Platform as a service.**
- Incorporated **AWS Lambda, S3 and DynamoDB** to enhance accuracy and efficiency by 25% in real-time student identification while handling 100 concurrent requests within 60 seconds.

MERN eCommerce Platform — *MongoDB, Express, ReactJS, NodeJS, jQuery* *Jan 2022*
- Developed a fully-featured MERN E-commerce platform from scratch, implementing functionalities such as shopping cart, product reviews, pagination, user profiles, and admin management, along with integration of PayPal and deployment.
- Gained expertise in React, Redux, Express, MongoDB, JWT authentication, and project deployment.

FitLife: Android Application — *Kotlin, Android Studio, Fuzzy Logic Controller* *Dec 2023*
- Created an android app using Kotlin to suggest personalized workouts as per user preferences and history
- Developed a fuzzy logic to generate user rating and suggest workouts. Added capability to record user feedback to workout suggestions.
- Used camera and accelerometer sensor in the smartphone to measure metrics like heart and respiratory rate.

Personal Expense Tracker *SQLite, Python, Flask* *Dec 2022*
- Designed and implemented a simple yet effective personal expense tracking database using SQLite, enabling users to record, categorize, and analyze their daily expenses.
- Incorporated basic CRUD (Create, Read, Update, Delete) functionalities and user-friendly interfaces with Python Flask for web access, facilitating easy tracking and budgeting for personal finance management.

Scholastic Achievements

- Lead Computer Science Tutor providing support for 6 courses at Arizona State University: **Principles of programming, Object oriented programming, Computer organization & assembly language, Data structures and algorithms, Intro to Software Engineering, Operating System, Computer Networks**.