AADIT KAMAT

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Education

University of Florida   **January 2023 - December 2024**
Master of Science in Information Systems and Operations Management   *Gainesville, FL*

National University of Singapore   **August 2017 - June 2021**
Bachelor of Computing in Computer Science   *Singapore, SG*

Skills

Programming Languages: Java, JavaScript/TypeScript, Python, HTML/CSS, R, SQL
Development Frameworks & Libraries: Tailwind, Expo, React Native, React, Node, Express
Testing & Automation: JUnit, Espresso, UiAutomator, PyTest, Jenkins
DevOps & Cloud Platforms: Docker, Nginx, VirtualBox, Firebase, Heroku, Google Cloud Platform (Vertex AI, Cloud Functions), GitHub
Databases: MongoDB, PostgreSQL
Business Tools: Figma, AWS Cloud, Power Automate, Jira, Confluence

Experience

Florida Community Innovation (FCI)   **April 2025 – Present**
Lead Software Engineer   *Gainesville, FL*

- Collaborating closely with designers, developers and product owners to build a mobile application using **Expo and React Native** aimed at empowering residents in Miami-Dade County with knowledge about effective recycling practices, curside recycling programs and drop off locations as well as sustainability related community initiatives
- Defining, designing, and shipping new features, such as **Computer Vision to identify recycling materials** and **a Large Language Model powered chatbot** to answer sustainability questions

Visa Worldwide Pte Ltd   **March 2022 – September 2022**
Software Engineer   *Singapore, SG*

- Developed and iterated a PoC for a scalable financial services solutions based on a microservices architecture with **Spring Boot (Java)**, processing over 100,000 financial transactions per second, following **Scrum development practices**
- Redesigned and developed dynamic web pages for the Singapore Innovation Centre (IC) portal using **Next.js**, cutting annual costs by $25,000 and saving 80 hours of manual work per quarter

Shopee Singapore Pte Ltd   **May 2021 – March 2022**
Automation Quality Assurance Engineer   *Singapore, SG*

- Developed and maintained over 100 automated test cases for the promotion modules within Shopee's Android app using **Java based test automation frameworks like Espresso, UiAutomator and JUnit** to enhance the experience for over 2.8 million users
- Diagnosed and resolved complex technical issues in containerized Golang environments, reducing test failures and boosting test coverage by 20%

NUS Information Technology   **May 2020 – August 2020**
Software Engineering Intern   *Singapore, SG*

- Designed and built a **React.js web portal** to streamline NUS IT's annual firewall rule review process, replacing a manual, email-based workflow
- Integrated **ADFS authentication with Passport.js OAuth** to enable secure, department-based access and automated retrieval of firewall data on a nightly basis via **Tufin APIs** using cron jobs, storing the rules in an internal **MongoDB** database

Projects

DSSD LEAP Dashboard | *React, Redux, D3.js, Tailwind*   **February 2025 - April 2025**
Built an interactive web application with React and D3.js to track energy efficiency KPIs, enabling policy makers to assess LEAP program impact

LegalLingo | *Webpack, Node.js, Express.js, Typescript, Google Cloud*   **September 2024 - September 2024**
Collaborated with a cross-university team to develop LegalLingo, a Chrome extension that analyzes legal language (e.g., Terms of Service, Privacy Policies) for clauses that are not user friendly using Gemma 2.0 APIs within Google Cloud Vertex AI

Certifications

AWS Certified Cloud Practitioner, Databricks Fundamental Accreditation, End-to-End Data Engineering Project