SUSHMA PADMINI GADEPALLI

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EDUCATION

Carnegie Mellon University   **Pittsburgh, PA, USA**
Master of Information Systems Management   *Expected, August 2025*
  Courses: Object Oriented Programming with Java, Data Structures and Algorithms, Distributed Systems, Data analytics with tableau, Engineering Data Intensive Scalable Systems, Data Focused Python, Data Science for Product Managers, Agile Methods

Vellore Institute of Technology   **Tamil Nadu, India**
Bachelor of Technology in Computer Science Engineering   *June 2020*
  Courses: Artificial Intelligence, Machine Learning, Cloud computing, Operating Systems, Natural Language Processing

SKILLS

Programming languages: Java (Jdk 8,17), JavaScript, Typescript, C++, R, Python, Linux, REST APIs, JSP
Frameworks and Databases: MSSQL, DB2, Spring Microservices, Angular, ReactJs, Junit, JDBC, Mockito, Redux, AWS, Kafka
Product management: Trello, Jira, Agile (CI/CD)
Misc: Tableau, Excel, Jenkins, Fortify, Sonarqube, Git, OAuth2, JWT, Spring Security, AWS (EC2, S3), OpenShift, Cloud Foundry

WORK EXPERIENCE

DBS Bank, Consumer Banking Group Technology – Customer Management and Analytics   **Singapore, Singapore**
Full Stack Developer – Associate (Financial Services)   *January 2022– July 2024*
- Developed and maintained a Spring-based data loader microservice, reducing transfer time by 80% for 50+ internal applications.
- Provided the microservice as a library, to be integrated with teams' applications. Developed feature requests and provided production ready support to teams, using this library. Provided onboarding, installation and integration support to these teams.
- Built ReactJS micro-frontend for customer notification preferences feature, reducing customers' scam risk by over 75%. Worked on MFA implementation for the feature for the mobile banking application and website. Implemented react native for the feature.
- Worked on the internal website for RM's to maintain customer preferences, using internally developed react libraries and bootstrap.
- Collaborated with UI/UX and backend teams on user flows and logic to ensure integration and consistent UX for NPRM.
- Migrated 10+ applications from PCF to OpenShift, reducing PCF platform usage by 50% supporting cloud optimization costs.
- Developed dataloader as a service, to help deploy user's applications to production, reducing support costs for teams by over 75K.
- Containerized legacy applications and standardized deployment configs, improving system reliability and maintainability.
- Increased unit test coverage for multiple applications to 85%, validated backend applications through targeted integration tests.
- Improved code reliability by resolving bugs, blockers, security hotspots, and critical code quality issues using tools like Fortify.
- Resolved 1,000+ critical vulnerabilities across 12+ apps in APAC, ensuring compliance and production-readiness of applications.
- Documented software patches and updated architecture/design notes in Confluence to support future development.

Infosys Ltd   **Singapore, Singapore**
Systems Engineer   *December 2020 – December 2021*
- Built and enhanced a travel agency website, increasing test coverage to 90% and improving overall user experience.
- Developed Angular frontend and Spring microservices backend, integrated via REST APIs; reduced code smells using SonarQube and Fortify.

Tata Consultancy Services   **Singapore, Singapore**
Systems Engineer   *July 2020 – December 2020*
- Independently developed a travel agency website for a local client, using Angular and a Spring microservice with Java.
- Migrated internal legacy applications to Openshift cloud (Redhat), increasing efficieny as compared to earlier deployment systems.

ACADEMIC PROJECTS

GlucoVista – Glucose Monitoring device | *Data Science for Product Managers*   *January 2025 – March 2025*
- Preprocessed glucose monitoring device datasets from Reddit and Twitter using stemming and lemmatization techniques, analyzing user discussions to identify the most frequently used and highest-rated devices in the U.S. market.
- Conducted sentiment and topic analysis to determine key customer-preferred features, enabling the strategic positioning of a new CGM device in the market. This research provided insights for product development and marketing strategy as a Product Manager.

BiblioBee – Book Exchange Application | *Agile Methods*   *October 2024 – December 2024*
- Led development of a **peer-to-peer book exchange platform**, defining the **product roadmap, customer journey, and core features** like book listings and in-app chat.
- Managed an **Agile team** and **designed the Figma prototype**, improving user flow and engagement.

PARTICIPATION AND AWARDS
- Awarded a certificate of achievement for the Staff Recognition Awards, Quarter 2, awarded to only 20/220 total staff.   *June 2023*