

JAYAPRADEESH S L

Associate Software Engineer

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Education

Sathyabama University

Bachelor of Technology in Information Technology

JUN. 2019 – AUG 2023

Chennai, Tamil Nadu

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Computer Architecture

Experience

Mphasis, Client: HP India

Associate Software Engineer

Dec 2024 – Present

Bangalore, Karnataka

- Engineered performance improvements in device driver modules by optimizing execution flow and resource utilization, reducing load time by 20 Percentage.
- Refactored configuration and processing logic to improve system reliability and maintainability across device variants.
- Performed root-cause analysis of performance issues using debugging and profiling techniques in a production environment.
- Collaborated with cross-functional engineering teams to implement performance enhancements that improved print efficiency by 15 Percentage
- Contributed to validation, defect resolution, and release stabilization for enterprise-grade hardware software

Mphasis, Client: Wells Fargo

Associate Software Engineer

- Designed and implemented modular backend services and REST APIs supporting secure financial workflows
- Improved application performance by optimizing service-layer logic and database interaction patterns.
- Built scalable cloud-integrated components using serverless compute and managed data storage services.
- Implemented secure authentication and API access control using token-based mechanisms.
- Supported containerized deployment and automated CI/CD pipelines to improve release reliability and deployment speed.

Projects

Securing Files on Cloud Storage | *Technology Stack: Java, AES Encryption, Group key Management, AWS S3*

- Implemented secure multi-user file sharing using dynamic group key generation and rotation for cloud storage

Electronics Ecommerce | *Technology Stack: Spring Boot, Thymeleaf, HTML/CSS, Session Management*

- Built full-stack e-commerce platform featuring category browsing, shopping cart, Login-protected checkout using spring boot

Expense Tracker Pro | *Technology Stack: JavaFX21, FXML, CSS, okhttp3, Gson, Supabase*

- Built full-stack expense management application featuring live Supabase database sync, professional CSS-styled data table with CRUD operations (Add/View/Delete/Reset/Total) using JavaFX GUI and REST API integration

Technical Skills

Languages: Java, C, HTML/CSS, JavaScript, SQL

Backend Development: Spring Boot, REST API Development, Service-Layer Architecture, Session Management, Modular System Design

Database and Data management: Supabase, MySQL, SQL, CRUD Operations, Data Synchronization

Software Engineering Practice: Object-Oriented Programming, System Design, Root-Cause Analysis, Production Debugging

Devops and Deployment: Containerized Deployment, CI/CD Pipelines, Git, GitHub

Tools and Platforms: VS Code, Eclipse, Intelij, Google Cloud Platform

Extras / Certifications

- Java Full Stack Development - Qspiders
- Fundamentals of Ethical Hacking, Networking Fundamentals - Cisco Networking Academy
- Python - Udemy