

# Phalguna Peravali

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## Education

### University of Florida

Master of Science - Computer and Information Science, GPA: 3.73/4.0

Aug 2023 - May 2025

Gainesville, FL, USA

## Skills

- **Languages:** JAVA 11, Python, C++, Golang, JavaScript, HTML5, CSS3, SQL, NoSQL, R
- **Frameworks & Libraries:** Spring Boot, Angular7, React, Node.js, .NET, GraphQL, Microservices, OOP, PyTorch, Scikit-learn
- **Tools:** Kubernetes, Docker, AWS, Azure, Jira, Jenkins, GitHub Actions, Bamboo, Visual Studio, PyCharm, Git
- **Practices:** Agile (Scrum, Kanban), TDD, BDD, SDLC, System Design, DevSecOps, Performance Tuning
- **Courses:** Data Structures Algorithms, Database Management Systems, Deep Learning, Operating Systems

## Experience

### Software Engineer – Fidelity Investments, Boston, MA

Nov 2025 – Present

- Enhanced modernization of critical **wealth management digital modules** within the **Digital Experience Team**, engineering high-impact features using **Angular 17** and **Spring Boot**, which elevated client interaction speed and platform reliability by **35%**.
- Redesigned complex data retrieval pipelines by migrating APIs from **GraphQL** to **RESTful services**, eliminating redundant queries and cutting average API latency by **40%**, while maintaining seamless integration with downstream systems.
- Partnered with UX architects and backend teams to build scalable, reusable **UI micro-frontends** and responsive data visualization components, driving **consistent digital experiences** across Fidelity's investment and advisory applications.

**Tech Stack:** Angular 17, TypeScript, Java 17, Spring Boot, REST APIs, GraphQL, Microservices, Jenkins, GitHub Actions, PostgreSQL, Agile, Wealth Management Digital Experience.

### Software Engineer – Intersect Healthcare Systems, Gainesville FL

Aug 2025 – Oct 2025

- Collaborated with clinicians and product leads in an **Agile environment** to modernize a legacy healthcare portal into a responsive **Angular + Spring Boot** web app, enhancing accessibility for 5K+ daily users.
- Developed modular, reusable UI components and implemented comprehensive **unit tests (Jest, JUnit)** to ensure high code quality and maintainability across feature releases.
- Integrated secure RESTful APIs with **JWT-based authentication** and backend services on **AWS** using **S3** for static asset storage, **DynamoDB** for session management, and **SQS + API Gateway** for asynchronous communication.
- Optimized SQL and caching mechanisms to cut data retrieval latency by **30%**, ensuring real-time synchronization and a smoother user experience.
- Streamlined CI/CD pipelines using **Jenkins** and **Docker**, accelerating deployment cycles and reducing manual intervention.

**Tech Stack:** Angular, TypeScript, Spring Boot, AWS (S3, DynamoDB, SQS, API Gateway), REST APIs, PostgreSQL, Jenkins, Docker, Git, Agile, Unit Testing (Jest, JUnit).

### Software Developer – UFIT, Gainesville, FL

Aug 2024 – Aug 2025

- Orchestrated modular **Android components** with **lazy loading**, reducing latency by **30%**, and improving scalability.
- Implemented reactive **state management** using **Angular, RxJS, and NgRx** with **Spring Boot APIs**, accelerating data rendering by **35%**.
- Hardened authentication & authorization with **OAuth2** and **Spring Security**, safeguarding sensitive university data.

**Tech Stack:** Java 11, Spring Boot, Angular, RxJS, NgRx, Swift, Kotlin, Android SDK, OAuth2, GitHub Actions, AWS

### Software Engineer-II – Brillio (Client: Verizon), Bangalore, IN

Oct 2021 - Jul 2023

- Engineered and scaled high-throughput **RESTful APIs** and **gRPC** services with **Java 8, Spring Boot**, and **Kafka**, supporting **1M+** monthly transactions with sub-second latency.
- Integrated **Redis caching** and **event-driven Kafka pipelines**, boosting system responsiveness by **35%** and ensuring fault-tolerant, real-time updates across distributed services.
- Built **full-stack** dashboards with **Angular, Material UI**, and **Ag-Grid**, delivering real-time project analytics and improving decision-making speed by **30%**.
- Spearheaded **modularization** of legacy codebase into reusable microservices, reducing code complexity by **40%** and accelerating **feature delivery** timelines by **25%**.

**Tech Stack:** Java 8, Spring Boot, Kafka, Redis, AWS (EC2, RDS, S3, IAM), Jenkins, SonarQube, PostgreSQL, REST APIs, Docker, Git.

**Software Engineer** – *Capgemini (Client: MetLife), Bangalore, IN*

**Oct 2019 - Oct 2021**

- Developed and deployed scalable **Java 11 / Spring Boot microservices** with **Angular** frontends, streamlining insurance claim workflows and improving processing efficiency by **30%**.
- Streamlined **SQL & MongoDB** queries and automated procedures, containerized services with **Docker/Kubernetes**, and integrated **AWS (EC2, RDS, S3, IAM)**, enhancing performance by **40%**, strengthening scalability & disaster recovery.
- Automated test coverage with **JUnit, Mockito**, reducing **post-release defects** by **25%** and improving QA efficiency.

**Tech Stack:** Java 11, Spring Boot, Angular, Microservices, REST APIs, SQL, MongoDB, Docker, Kubernetes, AWS (EC2, RDS, S3, IAM), Jenkins, GitHub Actions, SonarQube, AI integration, Git.

## Projects

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**WebForge AI** | *Automated Full-Stack App Builder*

**GPT APIs, Web Containers, Node.js, React**

- Built **AI-powered IDE** that generates code and deploys full-stack web applications in real-time using GPT APIs, Web Containers for in-browser execution, integrated **pseudo-terminals** support, and seamless file management.

**ForumX** | *Reddit-style discussion and community platform*

**Go, PostgreSQL, gRPC, REST**

- Developed a **Reddit-style** discussion platform with **user authentication**, subreddit management, posts, comments, voting, and messaging, leveraging **gRPC** and **REST APIs** with a CLI-based simulator to ensure robust feature validation.

## Certifications

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- Oracle Certified Java SE 8 Developer Associate
- Certified SAFe 5 Practitioner (Scaled Agile Framework)