

# SUMANTH PABBA

FULL STACK DEVELOPER - Web Application Development, Backend & API Development

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## SKILLS

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- **Programming Languages:** Java, JavaScript, TypeScript, Node.js, Python, SQL for full-stack development.
- **Web Development Tools:** React, Angular, Next.js, Tailwind CSS, Radix UI, AG Grid, UI Designs.
- **Backend Development:** Spring MVC & JDBC, REST APIs, Node.js API development, scalable systems.
- **Cloud Skills:** Jenkins, Docker (Docker run deployments), Kubernetes, CI/CD pipeline, application deployment.
- **Cloud Platforms & DevOps:** AWS, Azure, GCP, Git, GitLab, Bitbucket Pipelines, Tekton platforms.
- **Databases and Tools:** PostgreSQL, MongoDB, MySQL, SQL Server, Oracle, Redis, Jira, ServiceNow.

## WORK EXPERIENCE

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### Application Analyst Intern

September 2025 - Present

*Kinaxis*

*Ontario*

- Built distributed Java backend services using Kafka and Hadoop, handled 1M+ transactions daily, improving throughput and multi-region fault tolerance efficiency.
- Designed and deployed scalable REST APIs with optimized data retrieval paths for large datasets, increasing backend API throughput by 42% under peak load conditions.
- Implemented asynchronous event-driven processing pipelines and optimized batch workloads, reducing system processing latency by 30% during peak supply chain simulations.
- Automated AWS cloud components and CI/CD pipelines, accelerating release cycles by 35%, reducing deployment errors, and enabling seamless cross-team integration.
- Configured Docker containers and managed 5+ cloud deployments across staging application environments.

### Application Developer

April 2025 - August 2025

*Sterling Information Technologies*

*Ontario*

- Programmed multi-page Next.js 15 and React 19 platform using TypeScript and Tailwind, achieving 30% faster UI load and consistent full-stack responsiveness across modules.
- Built backend workflows integrating Stripe and Firestore for structured course payload validation, improving transaction reliability and enrollment processing by 28%.
- Engineered reusable Radix UI component library and Tailwind utility classes, standardizing layouts across 20+ pages, reducing development time and improving maintainability metrics.
- Deployed applications on AWS EC2 and configured environment-based builds with secure key management.

### Software Engineer

September 2024 - March 2025

*(Freelance)*

*Canada*

- Architected 12+ microservices using Java, Spring Boot, and Spring Cloud, improving deployment speed by 40% and system scalability.
- Implemented Apache Kafka event streams with circuit breakers, reducing inter-service latency by 35% and improving uptime to 99.9%.
- Developed 25+ secure REST APIs and integrated MS SQL Server, enabling 100% data migration accuracy with zero production downtime.
- Monitored cloud-hosted microservices using centralized logging and production performance metrics.

### Technology Program Analyst II

August 2022 - August 2024

*Fiserv*

*India*

- Developed mission-critical REST APIs using Java, Spring MVC, JDBC, and Oracle SPs enabling transaction workflows, improving data delivery reliability by 40%.
- Integrated backend business logic using cursor-based PL/SQL with multi-cursor transformations, ensuring clean structures for 30+ Angular front-end modules.
- Collaborated secure full-stack flows with Voltage encryption, filters, Angular guards and interceptors, achieving 98% compliance in session validation and audit logging.

### Intern Technology Program Analyst

June 2021 - September 2021

*Fiserv*

*India*

- Programmed Node.js and IBM Watson support chatbot, automating 200+ customer queries weekly, increasing workflow efficiency by 37% across internal teams.
- Engineered secure REST APIs with Express.js and JWT for the routing and session management, achieving scalable backend architecture for microservices.
- Integrated backend API services with frontend dashboards and components, improving real-time monitoring capabilities and reducing system response time by 25%.

## PROJECT EXPERIENCE

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### MakeYumMeal - Recipe & Grocery Planner

Designer/Developer

FrontEnd [GitHub](#)

Backend [GitHub](#)

- Applied full-stack AI pipeline using YOLOv8 and SAM2 to detect ingredients with 98% accuracy.
- Architected 5+ REST APIs, dashboards & inventory flows, integrating React & relational database models.
- Integrated AI inference with React UI enabling visualization of ingredients, optimizing user latency by 22%.

### Blockchain-Enabled P2P Secure File Sharing System

Designer/Developer

[GitHub Repository](#)

- Revamped microservices application on Azure using Docker, integrating blockchain identity verification.
- Designed peer-to-peer REST APIs for file transactions, achieving 99% data integrity under concurrent load.
- Executed 20+ end-to-end testing, combining automated/manual tests, validating security and compliance.

## EDUCATION

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### Master's in Applied Computing

University of Windsor, Windsor

September 2024 - December 2025

### Bachelor's in Computer Science and Engineering

SRM University, India

June 2018 - May 2024

## CERTIFICATIONS

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- Azure 104 – Microsoft, Azure 900 - Microsoft, Azure SC 900 - Microsoft