

## SUMMARY

Full Stack Web Developer with 3+ years of experience delivering scalable solutions across healthcare, fintech, and enterprise domains. Proficient in React.js, Node.js, FastAPI, Java, Python, and cloud deployment (AWS, Azure). Skilled at building secure, high-performance applications, optimizing data workflows, and collaborating with cross-functional teams to drive operational efficiency and measurable business impact.

## SKILLS

**Programming Languages:** Java, Python, JavaScript (ES6+), C++

**Frameworks & Frontend/Backend Libraries:** React.js, Node.js, Spring Boot, FastAPI, RESTful APIs, GraphQL, Microservices

**Databases & Caching:** MySQL, PostgreSQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda), Azure, Docker, Kubernetes, Jenkins, Git, GitHub

**Tools, Practices & Security:** Kafka, JUnit, PyTest, Jest, Selenium, Postman, JWT, OAuth 2.0, Agile (Scrum, Kanban), JIRA, Confluence

**Soft Skills:** Problem Solving, Collaboration, Stakeholder Communication, Time Management, Decision Making

## PROFESSIONAL EXPERIENCE

### Full Stack Web Developer, Tempus Health

Aug 2024 - Present | USA

- Developed React.js dashboards for patient records and appointments with Node.js and RESTful APIs, streamlining 12K+ daily data retrieval and saving \$200K annually in administrative staff hours.
- Deployed hospital applications on AWS EC2, S3, Lambda, and RDS, scaling to 500+ concurrent users and reducing downtime costs by \$120K annually through cloud-native infrastructure.
- Engineered FastAPI microservices for lab diagnostics using MySQL and MongoDB, handling more than 15K daily records, boosting reporting throughput by 35%, and securing APIs with JWT/OAuth 2.0.
- Designed Kafka pipelines for real-time lab updates, processing over 10K records daily, cutting reporting errors by 24%, and delivering reliable workflows in Agile Scrum teams using Git, Jest, and PyTest.
- Conducted backend and system testing with Selenium and Postman, validating 50+ lab workflows daily and ensuring zero critical defects in production.

### Software Developer, Infosys

Apr 2022 - Jun 2023 | India

- Built React.js modules integrated with Spring Boot and RESTful APIs to deliver enterprise dashboards for 200+ corporate clients, automating reporting workflows and reducing manual reporting time by 31%.
- Optimized MySQL/PostgreSQL schemas with Redis caching and stored procedures, accelerating queries for more than 1M monthly records and cutting failed report generation by 250+ per month, improving client analytics reliability.
- Deployed applications on Azure using Docker and Kubernetes, scaling to 300+ concurrent client users, improving uptime by 160 hours annually and lowering infrastructure costs by \$45K.
- Integrated Kafka pipelines and GraphQL endpoints for client reporting, ensuring reliable processing of 50K+ daily messages and reducing system errors by 23% through unit and integration testing with JUnit.
- Implemented JWT and OAuth 2.0 for secure access control and collaborated in Agile Scrum teams using GitHub for version control, improving delivery efficiency across 30+ client roles.

### Associate Software Developer, Infosys

Jan 2021 - Mar 2022 | India

- Assisted in developing React.js dashboards with Spring Boot APIs, improving reporting efficiency for 200+ corporate clients and reducing manual support overhead through automation and reusable UI components.
- Supported optimization of MySQL/PostgreSQL schemas with Redis caching, enhancing analytics for over 1M monthly records, improving query speed by 27% and boosting reporting accuracy across corporate dashboards.
- Helped deploy applications on Azure with Docker and Kubernetes, enabling 300+ concurrent client users, improving reliability and reducing infrastructure downtime through efficient container orchestration.
- Contributed to Kafka and GraphQL integrations, performing testing with JUnit, supporting 50K+ daily messages while reducing reporting errors by 24% and improving system consistency across client dashboards.

## EDUCATION

### Master of Science in Computer Science

University of South Florida – Tampa, FL

Aug 2023 – May 2025

### Bachelor of Technology in Computer Science & Engineering

PVPSIT – Vijayawada, India

Jun 2019 – May 2023

## PROJECTS

### Food Reels – Full-Stack MERN Application

**Technologies:** React (Vite), Node.js, Express, MongoDB, Mongoose, JWT Auth, ImageKit, Multer, CSS Modules

- Developed a lightweight Instagram-style mobile web app enabling users to register/login, scroll vertical food-video reels, like, and save posts.
- Built a secure RESTful backend using Express and Mongoose with JWT-based authentication stored in HttpOnly cookies.
- Implemented food-partner upload functionality with Multer and ImageKit for optimized video storage and delivery.
- Designed a responsive mobile-first UI featuring scroll-snap reels, autoplay with IntersectionObserver, and glassmorphism styling for enhanced UX.
- Showcased interactive workflows through integrated demo videos (FoodPartnerRegisterLogin & UserRegisterLogin) and application screenshots highlighting user and partner journeys.

### Flask-Based Drug Interaction Risk Tool for Acute Kidney Injury (AKI)

**Technologies:** Python, Flask, Excel, SQL, Apriori Algorithm

- Engineered a Flask application to analyze Drug-Drug Interactions (DDI) for AKI patients.
- Automated clinical data extraction using Excel and enhanced pipeline efficiency by 50%.
- Applied Apriori-based risk scoring to reduce adverse drug events by 40% in simulation testing.

## CERTIFICATIONS

- Google Data Analytics Professional Certificate (Coursera)

- AWS Academy Graduate – Cloud Foundations

- AWS Academy Graduate – Machine Learning Foundations

- AWS Certified Cloud Practitioner