

# Vempalli Shaik Saklain

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## Professional Summary

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Final-year B.Tech student with strong proficiency in backend systems engineering, specializing in **Java**, **Spring Boot**, and **microservices architectures**. Experienced in designing, building, and deploying scalable **RESTful APIs** for high-performance applications. Passionate about leveraging cloud technologies (**AWS**, **Docker**) and **CI/CD pipelines** to deliver robust, production-grade solutions, with a strong commitment to continuous skill growth in modern software engineering.

## Education

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**Raghu Engineering College, Visakhapatnam, AP**

2022 – Expected 2026

*Bachelor of Technology in Computer Science and Engineering*

- CGPA: 8.03/10.0

## Technical Skills

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**Languages & Frameworks:** Java, Python, Spring Boot, Spring MVC, Spring Data JPA, Spring Security, JPA, Hibernate, SQL

**DevOps & Cloud:** AWS, Docker, Git, GitHub, Maven, CI/CD

**Databases & Tools:** PostgreSQL, H2, MySQL, Redis, Postman, IntelliJ IDEA, Swagger UI

## Projects

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### SHOPAURA - E-commerce Platform Backend

[github.com/saklain-s/Ecommerce](https://github.com/saklain-s/Ecommerce)

- Built a full-stack e-commerce platform using **Spring Boot 3**, **React 18**, and **PostgreSQL (AWS RDS)** with role-based authentication using **Spring Security** and **JWT**.
- Implemented product management, search, filters, and **Cloudinary image uploads**, with **Redis caching** to boost performance.
- Containerized and deployed the application on **AWS ECS Fargate** using **Docker**, **ECR**, and **S3** for static asset hosting.
- Automated continuous integration and deployment using **GitHub Actions (CI/CD)**.

### BLOGNEST - Scalable Blog Platform (Microservices Backend)

[github.com/saklain-s/blognest](https://github.com/saklain-s/blognest)

- Built a microservices-based blog platform using **Java 17**, **Spring Boot 3.2**, **Spring Cloud**, and **React 18**, supporting user registration/login, blog creation, commenting, and real-time notifications.
- Implemented backend services with **JWT authentication**, **PostgreSQL**, **Redis caching**, and **Elasticsearch** for scalable data management and search.
- Enabled API Gateway routing, service discovery (**Eureka**), and centralized configuration (**Config Server**) for distributed architecture.
- Containerized all services with **Docker** and managed multi-service development environments via **Docker Compose**.

### Patient Management System (Microservices Backend)

[github.com/saklain-s/patient-management](https://github.com/saklain-s/patient-management)

- Developed a microservices-based Patient Management System using **Spring Boot**, **Spring Cloud Gateway**, and **PostgreSQL (H2 database for testing)**, supporting patient CRUD, authentication, billing, and analytics.
- Implemented **JWT-based authentication**, API routing via **Spring Cloud Gateway**, and a custom gateway filter for secure request validation.
- Integrated billing via **gRPC**, event-driven analytics via **Kafka**, and **Protocol Buffers** for service contracts and inter-service communication.
- Containerized all services with **Docker** and maintained modular multi-service architecture with **Maven multi-modules** and integration tests.