# Shivani Pentam

✉ shivanipentam@gmail.com  📞 +91 8179948263  📍 Hyderabad

## Profile

Backend Developer with **5+ years of experience** in designing, developing, and modernizing scalable enterprise applications using **Java, Spring Boot, Microservices, and REST APIs**. Strong expertise in **API development, CI/CD pipelines, debugging, dependency management.** Experienced in resolving high-severity vulnerabilities, improving application stability, and delivering high-quality, secure releases in Agile environments.

## Skills

- **Programming Languages:** Java, Java 8
- **Frameworks & Tools:** Spring Boot, Spring MVC, Microservices, Spring Data JPA, Hibernate, RESTful APIs, Maven
- **Databases**: MySQL, SQL, Oracle
- **Development Methodologies**: Agile (Scrum)
- **Cloud & DevOps**: Azure Fundamentals, CI/CD pipelines, Docker, Git, GitHub Actions
- **Architecture & Tools**: Design Patterns, Maven, Jira, Confluence, Logs & Debugging

## Professional Experience

### Principal Dependabot – Capgemini (Senior Software Engineer)  Java Developer

In my role as a Java Developer, I focus on migrating Java 8 libraries to ensure compatibility with current systems. I work within a scrum framework to address high-severity DependBot issues and fortify vulnerabilities, ensuring successful integration and deployment of updates through rigorous testing and quality checks. My responsibilities include resolving dependencies with critical CVSS scores and facilitating seamless deployment across various environment.

### Key Responsibilities:

- Migrated multiple **Java 8 libraries** to modern, secure versions, reducing technical debt and improving system compatibility.
- Resolved **CVSS high-severity vulnerabilities** by analyzing dependency risks and upgrading critical libraries.
- Strengthened application security by implementing **API hardening, code fixes, and best practices** across services.
- Collaborated with QA, DevOps, and application owners to deliver stable releases via **GitHub pipelines & Jenkins CI/CD**.
- Improved application performance and stability by optimizing **Spring Boot**, REST API calls, and database mapping.
- Created and maintained technical documentation using **Confluence**, and tracked deliverables using **Jira**.
- Provided production monitoring and debugging support, analyzing logs to resolve defects quickly.
- Ensured compliance with secure coding standards across backend services.

### Key Achievements:
- Reduced vulnerability backlog by 30% through systematic dependency upgrades.

- Improved deployment stability by enhancing release workflows in CI/CD pipelines

**US Zelle – Capgemini (Software Engineer)**
**Java Developer**

- As a Java Develop, I have been actively involved in the development and implementation of an online payment systems using API's. This project aimed to enhancing payment processing capabilities by integrating with various payment gateways. I worked on optimizing transaction workflows to improve processing speed and reliability while ensuring compliance with industry standards.

**Key Responsibilities:**

- Developed and enhanced secure payment APIs integrating with external payment gateways.
- Implemented optimized transaction workflows to improve **processing speed and system reliability**.
- Built backend components using **Java, Spring Boot, and REST APIs**, ensuring robust business logic.
- Used **Swagger/OpenAPI** for API documentation and **Postman** for testing.
- Conducted unit testing using **JUnit & Mockito** to ensure code quality and reduce defects.
- Worked closely with testing teams to diagnose issues using logs and debugging techniques.
- Handled production support, incident analysis, and root cause resolution.
- Utilized **Anypoint Studio** and Jira for development and issue tracking.

**Key Achievements:**

- Improved API response times and stability through optimized backend logic.
- Reduced production defects by implementing strong test coverage.

## Certifications

- Ocean Entry Level Developer - 1 and 2 from Capgemini.
- Azure Fundamentals.
- Agile Software Development from Coursera - University of Minnesota.
- Completed courses on fundamental Object-Oriented Programming in Java and explored the latest features introduced in Java 8. Additionally, gained proficiency in leveraging Lambda Expressions, Collections to Streams, and REST APIs in Java 8. Delved into Spring Framework fundamentals, including spring with JPA and Hibernate integration. Also, acquired essential MySQL skills in a comprehensive course. Furthermore, initiated learning with Swagger Tools for API development from plural sight

## Education

**B.Tech,** CMR College of Engineering and Technology          08/2016 – 09/2020 Hyderabad

## Accomplishments

Recipient of the **GEM Award** (2024) for outstanding performance

**Disclaimer**

I hereby declare that all the particulars furnished by me are in this application are correct and complete to the best of my knowledge and belief.