

# JAGANMOHAN REDDY POCHA

## Java Full Stack Developer

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### Professional Summary

**Java Full Stack Developer with 4.5+ years** of experience in building scalable applications using Java, Spring Boot, JavaScript, React JS, and SQL. Proficient in implementing **design patterns**, **REST principles**, and encryption algorithms like **RSA and AES-GCM** to enhance application security and performance, reducing response times by 110ms. Demonstrated leadership by mentoring a team of 4 interns and optimizing deployments, cutting deployment time by 40%. Recognized for contributing to a 35% reduction in redundant coding efforts through reusable components.

### Technical Skills

**Languages:** Java, JavaScript, Python 3, HTML 5, CSS 3, C, SCSS, JSON **Databases:** Oracle, SQL, MongoDB, PostgreSQL

**Tools/Frameworks:** Spring Boot, React JS, Spring Boot Web, Spring Boot Data JPA, MVC, Spring Security, Hibernate, Redis, Docker, Kubernetes, Kafka, GIT, Postman, VS Code, Eclipse, Gradle, Maven, Swagger, Junit, AWS EC2, ELB, RDS, Route 53, Amazon S3 Security, AWS Lambda, Artificial Intelligence, Machine Learning, Natural Language Processing

**Software Engineering Methodologies:** Agile, Scrum **Operating Systems:** Windows, Mac OS

### Experience

#### InternOptima

Apr 2024 – Dec 2024

Full Stack Developer Intern / Java, Spring Boot, JavaScript, React JS, SQL

Houston, Texas

- Played a key role in establishing the **Java backend architecture** using **Spring Boot Web**, setting up the foundational base for application development.
- Implemented **session and refresh token** logic for authorization, integrating **Redis** to store tokens with **TTL**, enhancing app security using **Java Spring security** and reducing response time by **110** milliseconds through in-memory data management.
- Programmed **12+** endpoints for authentication, authorization, and payment gateway following **spring REST principles**, with efficient database operations and queries implemented in **SQL** to ensure seamless data management.
- Integrated **Stripe payment gateway** into the app, enabling seamless auto-renewal subscriptions and payment methods, improving user retention by streamlining transactions for **40k+** users.
- Secured the application from **XSS attacks** by enabling **CSRF tokens** and integrated the **RSA algorithm** for encrypting user credentials, enhancing data security.

#### Capgemini

Jul 2020 - Dec 2022

Software Developer / Java, Spring Boot, JavaScript, React JS, SQL, Mobx

Bangalore, India

- Led a team of **4 interns**, providing training on project-specific tasks and best practices to ensure smooth knowledge transfer and alignment with future project requirements.
- Developed **30+ endpoints** following **SOLID and REST principles**, utilizing **Spring Data JPA** for efficient SQL operations and adding necessary validations to ensure seamless integration between the **Java backend and React JS frontend**.
- Designed a user-friendly interface with multi-theme options using **HTML5, SCSS, and Material-UI**, making the application more visually appealing and customizable.
- Demonstrated ability on integrating the **AES-256-GCM algorithm** in the backend (Java) and frontend (React) for encryption and decryption of user details, enhancing data security and compliance.
- Created and presented a library of **reusable UI** components following the atomic structure to the client and team, ensuring consistent design across **micro frontend** and reducing redundant **coding efforts by 35%**.
- Executed comprehensive **unit and integration testing using Junit, Enzyme and React**, enhancing application reliability by 25% and reducing post-release defects by **30%**.
- Established a **CI/CD** pipeline using **Jenkins and Docker**, reducing deployment time by **40%** and ensuring smooth, error-free deployments.
- Crafted a Java **JWT token** process that generates token from user details for secure client-server data transmission, with the flexibility to configure expiration time from **10 minutes** to any other value via application properties.

#### Nowapps Technologies

Jan 2019 - Aug 2019

Android Developer / Java, Meaven, XML

Bangalore, India

- Analyzed Android Studio IDE and Gradle dependency management system and gained a deep understanding of the android and fragment activity lifecycle.
- Developed 2 static Android applications including a calculator and a to-do list app using Java and XML, enhancing

understanding of core concepts in Android development and user interface design.

Education

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University of Colorado Denver	Jan 2023 – Dec 2024
Master's in computer science	Denver, USA

University Projects

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AI Powered Talent Shortlisting and Matching Tool   Python, VS Code	Aug 2024 – Dec 2024
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- Engineered an algorithm utilizing advanced Natural Language Processing (NLP) to enhance candidate-job matching, improving hiring efficiency and accuracy by ranking candidates based on profiles and job requirements.

Extracting Text from Images Using Google Vision AI   Python, VS Code	Aug 2024 – Dec 2024
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- Achieved **93% accuracy** in extracting and improving text from images by applying advanced preprocessing techniques (grayscale conversion, noise reduction, thresholding, dilation, and erosion) followed by post-processing for grammar and spelling correction using **Google Vision AI**.

Enigma Machine   Java 8, Eclipse	Jan 2024 – Apr 2024
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- Enhanced the Enigma machine **cipher device** by modifying to include 3 rotors, each rotating 2 steps per character for encryption and decryption, increasing complexity from **676** to **17,576** possible rotor configurations.

Flight Management System   Android Studio, Postman, Firebase, XML	Jun 2023 – Aug 2023
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- Devised an Android app named **Swiftly**, a flight management system that utilizes readily available RESTful APIs to enable users to search for flights across **195 countries** based on source, destination, and travel dates.

Awards and Certifications

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- AWS Certified Developer Associate 2025 – Progressing.
- Green Horn Developer Award:** Recognized for leadership in mentoring and guiding interns, contributing to project success.
- Star and Rising Star Awards:** Received consecutive awards over two quarters for outstanding performance and exceeding project goals.
- Top 2% on LeetCode:** Ranked among the top 2% of over 5 million users globally by solving 330+ problems, demonstrating consistency and strong algorithmic knowledge.