JAGANMOHAN REDDY POCHA

Java Full Stack Developer

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Portfolio: [Jagan Pocha](#) GitHub: [Jagan Pocha](#) Leetcode: [Jagan Pocha](#)

Professional Summary

Java Full Stack Developer with 3+ years of experience in building scalable web applications using Java, Spring Boot, ReactJS, and SQL, with hands-on experience in cloud technologies like AWS and containerization tools such as Docker and Kubernetes. Proven ability to develop secure authentication, authorization, integrate payment gateways, and optimize backend performance by implementing Design Patterns and Solid Principles. Recognized for leadership in mentoring teams, enhancing application security, and driving efficiency through CI/CD automation.

Technical Skills

Languages: Java 8, JavaScript, Python 3, HTML 5, CSS 3, C, SCSS, JSON, Material UI, MYSQL, POSTGRESQL

Databases: SQL, MongoDB, PostgreSQL

Tools and 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, IntelliJ, Gradle, Maven, Swagger, Junit, Mockito, Veracode, Datadog, Splunk, SonarQube, AWS EC2, ELB, RDS, Artificial Intelligence, Machine Learning, Natural Language Processing

Software Methodologies: Agile, Scrum

Experience

Charter Communications   Feb 2024 – Present

Java Developer   *Denver, Colorado*

- Developed a **Swagger** service in a **Monolithic** repository for microservices using **OpenAPI Codegen**, enabling streamlined **API** documentation and client generation.
- Configured a secure **Kafka** consumer with **Kerberos** authentication and **Trust store** properties to process and store real-time messages from Kafka topics into a **Postgres** database.
- Deployed Kafka consumer services on **Kubernetes Pods** and monitored application health and performance using **kubectl.**
- Executed **cut-and-release** deployment scripts to automate and manage service deployments efficiently.

InternOptima   Sep 2024 – Dec 2024

Java Full Stack Developer   *Houston, Texas*

- Implemented **session and refresh token** logic for authorization, integrating **Redis** in-memory database to store tokens with **TTL**, enhancing app security using **Java Spring security** and reducing response time by **110** milliseconds.
- Programmed **12+ HTTP** endpoints for authentication, authorization and payment gateway following **spring REST API principles**.
- Developed a **global exception handling mechanism** in the Spring Boot service app, ensuring consistent error responses and improving API reliability.
- 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** and integrated the **RSA algorithm** for encrypting user credentials, enhancing data security.

Capgemini Technology Services   Jan 2021 – Dec 2022

Java Full Stack Developer   *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.
- Played a key role in establishing the **Java backend architecture** using **Spring Boot Web**, setting up the foundational base for application development.
- Developed **30+ HTTP** endpoints following **SOLID and REST principles**, making use of **Java Stream API** for efficient **collection** processing and data manipulation.
- Utilized **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 a library of **reusable UI** components **Artifacts** following the atomic structure, ensuring consistent design across **micro frontend** and reducing redundant **coding efforts by 35%.**
- Executed comprehensive **unit and integration testing using Junit, Mockito, 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 through application properties.

NowApps Technologies   **May 2019 – Aug 2019**

Android Developer Intern   *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

University of Colorado Denver   **Jan 2023 – Dec 2024**

Master's in computer science   *Denver, USA*

- Strengthened problem-solving skills by mastering **data structures and algorithms**, optimizing time and space complexity.
- Explored **creational, structural, and behavioral design patterns** to develop scalable and maintainable software solutions.
- Practiced **Caesar Cipher, Hill Cipher, RSA, and B-Crypt**, implementing secure encryption techniques for data protection and authentication.

Relevant Projects

AI Powered Talent Shortlisting and Matching Tool LINK   **Aug 2024 – Dec 2024**

- 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 LINK   **Aug 2024 – Dec 2024**

- 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 LINK   **Jan 2024 – Apr 2024**

- 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 LINK   **Jun 2023 – Aug 2023**

- 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

- AWS Certified Developer Associate 2025 – Progressing.
- Runner up among **90 groups** participated in Presi - Hackathon conducted by Presidency University.
- **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 top 2% of over 5 million users globally by solving 330+ problems, demonstrating consistency and strong algorithmic knowledge.