YUVARAJ G.

Java Full Stack Developer

Chennai, Tamil Nadu | Yuvarajgnanasekar20001@gmail.com | +91-7358177544

LinkedIn | GitHub: yuva1603

PROFESSIONAL SUMMARY

Results-driven Software Development Engineer with expertise in **Java Full Stack Development** and **AI/ML fundamentals**. Proven ability to design and deploy scalable web applications using modern frameworks including React.js, Spring Boot, and RESTful APIs. Strong foundation in data structures, algorithms, and object-oriented programming. Successfully transitioned from operations management, bringing exceptional problem-solving skills, ownership mindset, and ability to deliver under tight deadlines. Seeking to leverage technical expertise in backend systems, microservices architecture, and cloud-native technologies.

TECHNICAL SKILLS

Programming Languages:	Java (Core & Advanced), Python, JavaScript (ES6+), SQL, HTML5, CSS3
Frameworks & Libraries:	React.js, Spring Boot, Node.js, Express.js, Tailwind CSS, Bootstrap 5
Database & Tools:	MySQL, MongoDB, PostgreSQL, Git/GitHub, Docker, Maven, RESTful APIs
Core Competencies:	Data Structures & Algorithms, OOP, Microservices, CI/CD Pipelines
Cloud & DevOps:	AWS Basics, Jenkins, Agile/Scrum, Unit Testing (JUnit)

KEY PROJECTS

Aether - Creative Solutions Platform   *2024*

React, Python, Tailwind CSS, RESTful APIs

- Architected and developed a **full-stack web application** to provide AI-powered creative solutions for artists and content creators, serving as a digital assistant for ideation and workflow optimization
- Designed and implemented a **responsive, mobile-first UI** using React.js and Tailwind CSS, achieving 95% cross-browser compatibility and seamless user experience
- Built **RESTful API endpoints** using Python backend to handle user requests and deliver personalized recommendations with <200ms response time
- Integrated **AI/ML models** for content generation and idea synthesis, demonstrating practical application of generative AI concepts

- Implemented **state management** using React Hooks for efficient data flow and real-time UI updates across 20+ custom components

E-Commerce Product Management System   2024

Java, Spring Boot, MySQL, Spring Data JPA

- Developed a **backend microservice** for product catalog management using Spring Boot, implementing CRUD operations with RESTful API design patterns
- Designed **normalized database schema** in MySQL with proper indexing, reducing query execution time by 40% for product searches
- Implemented **pagination and filtering** features for efficient data retrieval, handling 10,000+ product records
- Utilized Spring Data JPA for ORM mapping and repository pattern implementation

EDUCATION & CERTIFICATIONS

IBM Java Full Stack Developer Professional Certificate   May 2024 - Feb 2025

IBM via Coursera/EdX

- Comprehensive training in Cloud-Native Development, Microservices, CI/CD Pipelines, and Full Stack Technologies
- **Certified Modules:** HTML5 & CSS3, JavaScript Programming, React.js, Java Backend Development
- Hands-on experience with Docker containerization, Kubernetes basics, and RESTful API development

Google AI Intensive Program   January 2025

Kaggle (Google)

- Completed 5-day intensive bootcamp on Generative AI, LLMs, and Machine Learning fundamentals
- Gained practical knowledge in prompt engineering, model fine-tuning, and AI application development

Bachelor of Computer Applications (BCA)   2018 - 2021

Guru Nanak College, University of Madras, Chennai

- **CGPA: 8.03/10 (80.34% - Distinction)**
- Relevant Coursework: Data Structures, DBMS, Web Technologies, Java Programming

PROFESSIONAL EXPERIENCE

Operations Manager   Aug 2021 - Aug 2024

Family Enterprise, Chennai

- Managed end-to-end daily operations for a mid-sized enterprise, overseeing inventory management, vendor relations, and financial tracking using Tally ERP 9, ensuring 99% operational uptime
- Led process optimization initiatives that improved workflow efficiency by 30%, demonstrating strong analytical and problem-solving capabilities

- Developed **data-driven decision-making** skills through financial analysis and reporting, translating to debugging and performance optimization in software engineering
- Collaborated with cross-functional stakeholders to deliver time-sensitive projects, building communication skills essential for Agile environments

ACHIEVEMENTS & ADDITIONAL INFORMATION

▸ **Problem Solving:** Actively practicing DSA on LeetCode and HackerRank; solved 100+ problems in arrays, strings, and dynamic programming

▸ **Self-Learner:** Completed 10+ technical courses and certifications while managing full-time responsibilities

▸ **Languages:** English (Professional Proficiency), Tamil (Native), Hindi (Conversational)

▸ **Interests:** Open-source contribution, AI/ML applications, cloud computing, and building scalable backend systems