Ashok S

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Experiences

Software Developer   **Dec 2024 - Present**

Freelancer   **Remote, UK**

- **Reduced time-to-screen by 25%** for recruiting clients by developing a **Spring Boot** resume parsing platform that automated candidate screening and ranking.
- **Enhanced candidate screening quality by 20%** through NLP-driven resume matching using HuggingFace and spaCy via FastAPI, **reducing initial assessment workload.**
- Implemented functional security measures, including **JWT**, **OAuth 2.0**, and **OTP**, ensuring a **99%** secure authentication rate against unauthorised access.

Junior Software Engineer   **Oct 2021 - Aug 2023**

Cognizant Technology Solutions   **Chennai, India**

- **Optimised system stability by 15%** through proactive coding solutions on a large insurance platform, **reducing critical incidents and ensuring 90% service uptime for over 1000 users.**
- **Streamlined incident management with a Spring Boot batch application**, **automating incident creation and reducing manual intervention by 30%**, resulting in improved SLA compliance.
- Optimised performance through **Java refactoring** and **SQL query tuning**, achieving a **40% improvement** in data processing efficiency and **25% reduction** in system bottlenecks.

Software Developer Intern   **Mar 2021 - Jul 2021**

Cognizant Technology Solutions   **Chennai, India**

- Developed backend modules using **Java**, **SQL**, and **RESTful APIs**, ensuring secure and efficient data transactions.
- Implemented **Hibernate** and **JPA** for optimized database interactions, enhancing general application responsiveness.
- Contributed to internal tools using **Java** and **Angular**, streamlining data processing workflows, and ensuring improved cross-application compatibility and scalability.

Projects

StockPro – Inventory Management System

- Developed a full-stack inventory management system utilising **Angular, Spring Boot, and MySQL**, incorporating real-time stock tracking and **AI sales forecasting** capabilities.
- Enhanced application security with **2FA** and **RBAC**, implemented **TDD** for functional validation, and enabled **real-time email alerts**, optimising stock levels and system reliability.

AvailableCars - Car Rental Platform

- Engineered the backend of a car rental platform with **PHP** and **MySQL**, integrating **PayPal** for secure payments and **Google Maps API for real-time vehicle tracking.**
- Ensured application security and reliability through **comprehensive unit and integration testing**, identifying and resolving vulnerabilities for a highly reliable user experience.

Education

MSc Web and Mobile Development Technologies - Distinction   **Sep 2023 - Oct 2024**

Northumbria University   **London, United Kingdom**

BEng Electronics and Instrumentation Engineering   **Aug 2017 - Jul 2021**

Anna University   **Chennai, India**

Skills

Programming Languages : Java, Python, PHP, Spring Boot, Spring, OOPS

Tools & Technologies : Docker, Git, GitHub, Maven, Jenkins, AWS, PostgreSQL, MySQL, Agile, SCRUM, Microservices, RESTful API, Junit, Mockito