

ASHOK SELVAKUMAR

United Kingdom | +44 0777-635-5305 | ashokselvakumar99@gmail.com | [linkedin.com/in/ashokselvakumar/](https://www.linkedin.com/in/ashokselvakumar/)
GitHub: github.com/Ashok-30 | **Portfolio:** <https://ashokselvakumar-portfolio.netlify.app/>

PROFILE SUMMARY

Skilled Backend Developer with 3 years of hands-on industry experience and a recent MSc graduate in Web and Mobile Development Technologies. Proven track record in delivering scalable and efficient software solutions in high-demand, insurance-focused environments. Experienced in building strong scalable backend solutions in Java, Spring, Spring Boot, and SQL. Proficient in deploying cloud-native applications with AWS, Docker, and CI/CD pipelines. Passionate about writing effective code, contributing to collaborative Agile teams, and eager to grow further.

TECHNICAL SKILLS

- Languages:** Java, Python, JavaScript, PHP
- Frameworks & Tools:** Spring, Spring Boot, JPA, Angular, Hibernate, JUnit, Mockito, Bootstrap, Tailwind, Docker, Postman, SoapUI
- Databases:** PostgreSQL, MySQL
- DevOps & CI/CD:** Git, GitHub, Maven, Jenkins
- Cloud & Platforms:** AWS (Certified Cloud Practitioner), RESTful APIs, Microservices
- Methodologies:** Agile, SCRUM, Test-Driven Development (TDD), Behaviour-Driven Development (BDD)

PROFESSIONAL EXPERIENCE

Cognizant Technology Solutions | Programmer Analyst | Oct 2021 - Aug 2023

- Resolved over 700 high-priority incidents for a large-scale insurance underwriting platform, improving platform stability, and achieving 90%+ service uptime.
- Designed and deployed a Spring Boot batch application that automatically triggered incident creation based on failed policy events, reducing manual overhead, and improving SLA adherence.
- Refactored core modules in Java to address recurring system bottlenecks, enhancing throughput and cutting incident recurrence by 25%.
- Improved data processing efficiency by 40% through optimization of Java-based ETL pipelines and SQL queries in a live production environment.
- Collaborated within cross-functional Agile teams to deliver high-impact features, conducted code reviews, and ensured adherence to security and coding standards.

Intern | Mar 2021 - Jul 2021

- Developed backend modules for enterprise applications using Java, SQL, and RESTful APIs, with a focus on performance and security.
- Leveraged Hibernate and JPA for efficient database access patterns, contributing to performance gains in transactional queries.
- Developed "City Classifieds," a full-stack web application enabling users to post, browse, and manage listings. Utilized Java, Angular, and RESTful APIs for efficient operations and a dynamic user interface.
- Contributed to multiple internal tools, focusing on optimizing user experience and enhancing front-end performance using JavaScript and Angular.
- Implemented and tested secure APIs, supporting integration and scalability across applications.

NOTABLE ACHIEVEMENT

- Cheers and Client Award at Cognizant (2022).
- Star Performer** at Cognizant (2023).

PROJECT EXPOSURE

ResumeIT - AI-Powered Resume Shortlisting Platform (In Progress)

- Building a full-stack system using **Spring Boot 3** and **Angular 18** for resume parsing and candidate ranking based on semantic similarity.
- Integrating **Hugging Face Transformers** and **spaCy** via a FastAPI service for NLP-driven job-resume matching.
- Implementing **Spring Security** with JWT, Google OAuth 2.0, and OTP-based authentication.
- Containerizing services with Docker and orchestrating multi-container deployment via Docker Compose.

- Managing resume metadata and analytics via **PostgreSQL, Hibernate, JPA**.

StockPro – Inventory Management System

- Developed a modular web app using **Angular, Spring Boot**, and **MySQL** to manage inventory and forecast stock needs using machine learning.
- Integrated 2FA and RBAC for security, alongside a real-time email alert system for critical stock events.
- Employed TDD to validate forecasting logic and secure backend APIs.

AvailableCars – Car Rental Platform

- Designed the backend in **PHP** and integrated **Stripe API** for secure payments, with **MySQL** as the persistent store.
- Embedded **Google Maps API** for location tracking of rental vehicles.
- Conducted manual and automated testing to identify potential security flaws and optimize user experience.

City Classifieds App

Built a full-stack application with Java, Angular, and Spring Boot, providing users with a platform to access city-specific information, including listings and updates.

EDUCATION

MSc Web and Mobile Development Technologies | Sept 2023 - Oct 2024 | Northumbria University, London, United Kingdom

BEng Electronics and Instrumentation Engineering | Aug 2017 - Jul 2021 | Anna University, Chennai, India

CERTIFICATIONS

- Certified Docker Foundations Professional (2025)
- AWS Certified Cloud Practitioner (2025)
- Certified Agile SCRUM Master (2025)
- Java Spring Framework 6 with Spring Boot 3 (2024)