

Niranjana Devi Arumugasamy

Junior Full Stack Developer

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Ready to relocate anywhere in UK

SUMMARY

Enthusiastic and detail-oriented Software Engineer with a recent MSc in Advanced Computer Science and a strong passion for technology. Skilled in designing and building fully functional websites, with expertise in programming languages like **C++, Java, frameworks, Database Management, Cloud Native solutions**. Proficient in web application design and development using **Java, J2EE, JSP, Servlets, Spring, WebServices (REST)** and Basics in Python.

Developed and deployed features using **Node.js and React JS** for web applications, ensuring clean and efficient code.

Expertise in working with **MySQL Workbench** for efficient data storage, retrieval, and management, crucial for user profiles and recommendations.

Proficient in **JavaScript DOM manipulation**, with a focus on producing efficient and performant code.

Familiarity with frameworks for front-end development.

Expertise in web development technologies like **HTML5, XHTML, CSS3, XML and XSL/XSLT**.

Knowledge in debugging code using Visual Studio Code.

Proficient in **MVC design** programming principles to develop robust applications.

Demonstrated expertise in designing and implementing **RESTful APIs** and data management systems. Proficient in version control using **SnailSVN Lite and GitHub**, facilitating collaborative development efforts.

Proven ability to adapt to the latest technologies and follow best practices in software development

Committed to creating efficient and compliant code to deliver optimal user experiences.

Ability to grasp and **master new technologies**. Collaborative team player with a drive for continuous learning and excellent analytical and problem-solving skills.

EDUCATION & QUALIFICATIONS



MSc in Advanced Computer Science | Predicted 2:1 | University of Leicester, Sep 2022 - Sep 2023

Key Modules: Internet and cloud computing, Mobile and web applications, UI & UX, Computational intelligence and software engineering, Data-driven intelligent service design, Generative development, Design and analysis of algorithm and Personal and group skills



BE in Computer Science Engineering | 1st Class with Distinction | Anna University

CERTIFICATIONS



Certified Java Programmer

TECHNICAL SKILLS

Programming Languages: Java, C++, JavaScript ES6 | **Object-Oriented Language & Principles**

Database Management: MySQL

Web Technologies: HTML, CSS, Servlets, JSP, Rest API's , Node JS | **Framework:** Spring Boot, React JS

Version Control: Git and SVN | **Testing:** JUnit

UX/UI Design: Designed AI online learning app using low-fidelity and medium-fidelity prototypes

Software Tools: Eclipse, Visual Studio Code

Cloud Computing: Working with AWS like EC2, ALB, CloudWatch, EFS and Docker

Software Development: Agile Methodologies (SCRUM), Test-Driven Development (TDD)

PERSONAL PROJECT EXPERIENCE

Project1: Electricity Bill Payment Mobile App

Developed iGSE, a Native **Android app using Java and Firebase** as a backend. The app allowed users to submit meter readings, view bills, and pay using energy vouchers. I additionally utilised **REST API** to allow the public to access energy consumption data and statistics available on GSE's platform.

Project 2: Designed and implemented a whiteboard application using **AWS private cloud** using resources like EC2, EFS, **Application Load Balancer** for the Internet and Cloud Computing Project

MSc Final Year Project 3: Smart Career Path Recommendation System and Web Development

Description: The project is aimed at implementing a system to recommend career paths for users based on their skills, interests, and abilities.

Key Responsibilities:

- Used **Java (Java 17+)**, **SQL**, **JavaScript (ES6)**, and **HTML5** for robust backend and front-end development.
- Effectively utilized **Spring (Maven-Based)** for building modular Java-based web applications. Designed responsive interfaces using Bootstrap, ensuring a seamless user experience across devices. Conducted rigorous testing with JUnit to ensure code integrity.
- Employed **Spring Data JPA** for streamlined data access and management, optimizing database interactions. Implemented controllers to manage the flow of data between the user interface, backend logic, and the DB
- Utilized **React js** to create dynamic, component-based user interfaces, enhancing user engagement and interaction.
- Additionally, integrated various libraries and tools including **Material UI (MUI)** for pre-designed UI components, Weka Dependency for advanced machine learning capabilities, and Postman for efficient API development and testing.
- Developed a Chatbot for career recommendations, offering personalized guidance and insights to users without requiring them to sign up for the application.
- Conducted end-to-end engineering tasks for specific system assignments, including development, analysis, configuration, **testing, debugging**, troubleshooting, and implementation based on user or system design specifications.