

Himesh Parmar

Software Developer, Java, C#

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A dynamic software engineer with a strong foundation in software design, development, and architecture, combined with a unique perspective gained through a recent sabbatical where I embraced a spiritual path. After leaving Netcompany in 2023, I spent a year living as a monk, traveling extensively to places such as India, Kenya, New York, West Virginia, Dallas, and various countries in Europe. During this period, I devoted myself to preaching spirituality and teaching yoga practices to university students worldwide. This experience has profoundly shaped my approach to life and work, enhancing my resilience, empathy, and ability to connect with people from diverse backgrounds. I am now eager to bring these enriched interpersonal skills, along with my technical expertise, to a role where I can contribute to innovative projects and continue growing professionally.

Technical Proficiencies

Languages: Java, JavaScript, C#, Python, HTML, CSS, SPSS, SQL

Frameworks: Spring, ASP.Net, ASP.Net Core, Xamarin, Flask, Bootstrap, Jest, jQuery, React

Professional Experience

Netcompany, London, UK

Nov 2021 – Nov 2023

The Insolvency Service – C#

Software Engineer / Full Stack Developer

Developed and implemented a Robotic Process Automation (RPA) solution to automate the extraction/storage of data from different sources (PDFs, letters, and emails) into a database using Adobe Logic Apps. Created numerous webpages using C# and HTML where businesses could easily input essential details.

- ♦ Successfully automated 1K+ documents each week using an RPA.

HMRC, Borders and Trade – Java, Springboot

Backend Developer

Developed REST and XML APIs using Java Spring Boot to deliver seamless data exchange and integration. Continually monitored and tracked performance improvements using Kibana to improve APIs' responsiveness, reliability, and efficiency.

- ♦ Actively contributed to 50+ HMRCs API development and testing.
- ♦ Streamlined development process, achieved continuous delivery, and efficient deployment using Jenkins pipelines.
- ♦ Implemented encryption and secure authentication mechanisms to safeguard sensitive information exchanged through REST and XML APIs.
- ♦ Conducted comprehensive performance analysis and implemented optimizations in Java code to enhance scalability, allowing the APIs to handle increasing data loads seamlessly.

NHS Scotland COVID Pass Mobile Application – C#, Xamarin

Mobile App Developer

Designed and delivered a dynamic 3D holographic icon and live time feature using C# which utilised smartphone's gyro sensor to dynamically change colour responding to a smartphone's tilt. This improved app security and fraud protection.

- ♦ Delivered 60% more vaccination history information, testing records, and recover days for 1.8M users through the development and launch of a Xamarin-based COVID status page.
- ♦ Optimised the Scotland COVID-19 Passport application by 11%+ and increased user engagement by 15%+ through strategic management of a custom Azure cloud deployment (alpha, beta, pre-release), software updates, and bug fixes.
- ♦ Implemented a robust screen reader support "text-to-speech" accessibility feature in NHS Scotland COVID Passport app, aiding over 1000 visually impaired users by enabling auditory access to essential information such as vaccination history and testing records. following WCAG guidelines and implementing ARIA role.

- ◆ Implemented descriptive alternative text for images and icons, ensuring meaningful content representation for users relying on screen readers. This enhancement facilitated a more inclusive experience, allowing all users, including those with visual impairments, to comprehend and navigate the app effectively.

Pandava Sena

Oct 2020 – Nov 2021

Software Engineer (Volunteer)

Developed a personalised dashboard to show project opportunities and enable project manager oversight to schedule volunteers, manage resources, and track targets using. Designed and implemented a data pipeline to scrape event information from relevant websites using a REST API and integrated the data into an event calendar.

- ◆ Created a project management system using Python and Django to match 2K volunteers with national projects relevant to skills, interests, and availability.
- ◆ Increased the number of volunteers matched to a project by 70%.

Project Experience

Book Recommendation System – JavaScript, HRMP5, CSS3, Strapo, GraphQL

- ◆ Developed a webapp providing tailored book recommendations based on user preferences where users can search and read book samples or purchase books through a WooCommerce plugin.
- ◆ The backend infrastructure used a content management system with Strapi and GraphQL queries and the interactive frontend used Bootstrap with CSS.

Recipe App – JavaScript, HTML5, CSS3, Node.js, NPM, AJAX

- ◆ Built responsive/interactive web app that gathered 1M+ dish recipes from backend API using JavaScript and adjusted recipe based on the amount of servings/quantity of people.
- ◆ The app enabled users to search for specific recipes, add ingredients to shopping lists, or save to favourites.
- ◆ Ensured backward compatibility of browsing using Webpack to bundle the modules, and Babel.

XCape Mobile Android App – Android Studio, Java, SQL

- ◆ Designed engine that performed tailored suggestions of media types such as music, movies, TV shows, and games based on the user's preferences using Java and Android Studio.
- ◆ Built the frontend iteratively in response to user feedback using scrum and Adobe XD prototypes, and the backend fetches the specialised media recommendations from an SQLite database.

Finch Robot Maneuver and retrace steps – Java

- ◆ Developed Java code to control a Finch robot, enabling precise maneuvering in various directions. Implemented functionalities that allowed input parameters for speed and duration, providing a flexible and dynamic control mechanism for the robot's movements.
- ◆ Implemented a step-tracking mechanism using Java, enabling the robot to retrace its steps autonomously, showcasing the power of OOP in creating a systematic and efficient approach to problem-solving.

Python Projects – TensorFlow, Machine Learning

- ◆ Developed an end-to-end machine learning pipeline leveraging TensorFlow, aimed at robust image recognition and labelling.
- ◆ Engineered a sophisticated global password checker by integrating with an API, employing advanced algorithms to assess the prevalence and security implications of a provided password.

Education

BSc. In Computer Science, Brunel University, London, UK, 2021

First Class, Specialised in AI, Software Engineering, Software Project Management and UX/UI Design