

# Himesh Parmar

Software Developer, Java, C#

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Dynamic, results-driven, and highly efficient software developer with extensive knowledge and skills related to applications and deployment. Hold expertise in software design and architecture, building, and improvement of applications. Motivational working style with a proven track record of ensuring the performance, quality, and responsiveness of software. Proven success designing and launching programs and resolving related technical issues. Expertise in the review of existing programs, identification of areas of weakness, and the recommendation and implementation of improvements to streamline and increase efficiency.

Skilled in: Software Design, Development, Technical Support, Troubleshooting, Testing, Issue Resolution

## Technical Proficiencies

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

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

## Professional Experience

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**Netcompany, London, UK**

Nov 2021 – Nov 2023

**The Insolvency Service,**

***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**

***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.

**NHS Scotland COVID Pass Mobile Application**

***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.

**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**

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**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 a SQLite database.

**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**

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

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