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Himesh Parmar

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Education

BSc Computer Science	**Brunel University London**	**Sep 2018 – Jun 2021**

First Class - Specialised in **AI**, **Software Engineering** and **Software Project management.**

Experience

Software Engineer	**Netcompany, London**	**Nov 2021 – Jun 2023**

Insolvency service (Full Stack Developer)
- Implemented a **Robotic Process Automation (RPA)** solution to automate the extraction and storage of data from various sources such as PDFs, letters, and emails into a database using **Adobe Logic Apps.**
- Used **C#** and **HTML** to develop multiple webpages where businesses could easily input their essential details.

HMRC (Backend developer)
- Developed multiple REST and XML APIs using **Java Spring Boot**, facilitating seamless data exchange and integration.
- Utilised **Jenkins** pipelines to deploy the APIs efficiently, streamlining the development process and ensuring continuous delivery.
- Monitored performance improvements using **Kibana** to enhance the APIs' responsiveness, reliability and efficiency.

NHS Scotland COVID Pass **(Mobile App Developer)**
- Designed and implemented a **Xamarin**-based COVID status page, offering 60% more information on vaccination history, testing records, and recovery days for 1.8 million users.
- Used **C#** to design a dynamic 3D holographic icon and live time feature, utilizing the smartphone's gyro sensor to dynamically change colour responding to a smartphone's tilt, bolstering app security and fraud protection.
- Managed custom **Azure cloud** deployment (alpha, beta, pre-release), software updates, bug fixes, **achieving +11% app optimization and +15% user engagement.**

Software Engineer (Volunteer)	**Pandava Sena**	**Nov 2020 – Jun 2021**

- Developed a project management system using **Python** and **Django** which matches volunteers to projects relevant to their skills, interests, and availability.
- Utilized **React** to create a personalized dashboard, displaying project opportunities, project manager oversight, scheduling of volunteers, tracking project targets, and efficient resource management within teams.
- Project leads can oversee and schedule volunteers to meet project targets and manage resources in a team.
- Created a data pipeline that scrapes event information from relevant websites using a **REST API** and integrates the data into an event calendar.

Projects

Book Recommendation System – JavaScript, HTML5, CSS3, Strapi, GraphQL
- Created a webapp that provides tailored book recommendations based on user preferences.
- User can search and read book samples and purchase books through a **WooCommerce** plugin.
- Backend infrastructure uses a content management system with **Strapi** and **GraphQL** queries**.**
- Built an interactive frontend using **Bootstrap** with CSS.

Recipe App – JavaScript, HTML5, CSS3, Node.js, NPM, AJAX
- Used **JavaScript** to create a responsive and interactive web app that fetches recipes of over a million dishes from a backend API and dynamically adjusts the recipe based on the number of servings or quantity of people.
- Allows users to search for specific recipes, add ingredients to shopping lists or save to a favourites list.
- Used **Webpack** to bundle the modules, and **Babel** to ensure backward compatibility of browsing.

XCape Mobile Android App – Android Studio, Java, SQL
- Built an engine that performs tailored suggestions of several media types such as music, movies, TV shows and games based on the user's preferences using **Java** and **Android Studio**.
- The frontend was built iteratively in response to user feedback using scrum and Adobe XD prototypes.
- The backend fetches the specialised media recommendations from a SQLite database.

Technical Skills

Languages: Java, JavaScript, C#, Python, HTML, CSS, SPSS, SQL
Frameworks: Spring, ASP.NET, ASP.NET Core, Xamarin, Flask, Bootstrap, Jest, jQuery, React