

SACHIN SETHI

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PROFILE

With extensive experience at TYDIUP, Light & Wonder, and CGI, I am a proficient Software Engineer specialising in Java, .NET, Python, AWS, and React.js. I have a proven track record in developing scalable solutions, optimising cloud infrastructure, and enhancing product functionality and efficiency through Agile and DevOps practices. I consistently improve system performance and user engagement across various business environments, ensuring high-quality software delivery and superior user experiences.

EDUCATION

Manchester Metropolitan University:

- BSc (Hons) Computer Science: First Classification (1:1)

Manchester, United Kingdom

September 2019 – July 2022

TECHNICAL AND LANGUAGE SKILLS

Technical Skills: Java, C#/.NET, Python, JavaScript, React.js, Node.js, AWS, CI/CD, Git, REST APIs, SQL Server, PostgreSQL HTML, CSS, Unit Testing, Lua.

Language Skills: English (Native), Punjabi (Native), Hindi (Native).

WORK EXPERIENCE

TYDIUP

Manchester, United Kingdom

Software Engineer – Part Time

March 2024 – Present

- Integrated Twilio and Google Maps APIs to enrich user interaction and improve service quality, enhancing the overall user experience.
- Managed databases using PostgreSQL within AWS RDS, ensuring high performance and reliability of data storage and retrieval.
- Created API endpoints using Node.js for user registration, verification, database integration, and session management.
- Orchestrated AWS deployment, leveraging EC2 and S3 services to establish a scalable infrastructure for efficient application hosting.
- Configured and tested OTP functionality with Twilio and Amazon SNS, employing Postman for seamless code verification and validation.

Light & Wonder

Manchester, United Kingdom

Software Engineer – Full Time

January 2024 – May 2024

- Refactored C# backend systems to streamline code efficiency, enhancing application performance on on-premises servers and improving code readability by adhering to coding standards.
- Directed the launch of an international backend gaming platform, coordinating distribution, and supporting team members during releases.
- Addressed and rectified critical issues in backend using C#, significantly reducing the system's bug count by 10%. This initiative not only enhanced overall stability but also improved performance and user satisfaction.
- Executed SQL queries using SQL Server to obtain accurate financial data, ensuring precision and reliability in financial reporting and analysis.
- Collaborated with global teams to address backend issues, enhancing product deployment and functionality across various international markets.
- Acquired hands-on experience with AWS cloud services, such as VPCs, EC2, and S3, through practical training exercises, learning to configure robust, scalable, and secure cloud infrastructures.

CGI

Manchester, United Kingdom

Software Engineer – Full Time

September 2022 – January 2024

- Contributed to cloud migration projects using Python, Node.js, and AWS to boost a client's application efficiency, focusing on developing tailored solutions for enhanced performance and scalability on AWS.
- Streamlined CI/CD pipelines using GitLab CI, achieving a 5% reduction in pipeline execution time, thus guaranteeing more efficient software delivery and deployment while maintaining high code quality standards.
- Proficiently utilised AWS cloud services (EC2, S3, Lambda, API Gateway) for deploying scalable applications and expertly managed cloud infrastructure, ensuring the efficient operation of applications and services.
- Employed Docker and Kubernetes to monitor logs and deployments, making necessary adjustments to Docker files to ensure applications ran correctly and efficiently.
- Implemented mob programming to boost collaboration and efficiency among developers of varying expertise through focused development sessions.
- Developed and executed comprehensive unit tests using Python and Lua, achieving 100% test coverage, enhancing code reliability, and minimising post-deployment issues.
- Enhanced the UI/UX of an internal CGI site using React.js, improving usability and resulting in higher satisfaction rates and increased usage among CGI members.
- Championed the design and development of an internal resource tool, enhancing UI/UX and authoring usage documentation. Presented to over fifty personnel including VPs and senior executives.