

MANNY SANDHU

Software Engineer

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Professional Summary

Results-driven Software Engineer with 4+ years of experience across the full SDLC. Adept at requirements elicitation, design, development, testing, and maintenance of complex systems. Skilled in Java, JavaScript, Python, and AWS-based architectures. Demonstrated ability to collaborate in Agile teams, build robust solutions, and deliver impactful software aligning with key business objectives.

Technical Skills

- **Languages/Frameworks:** Java, JavaScript (ReactJS, Node.js), Python, Spring Boot
- **Databases:** SQL/NoSQL (MySQL, MongoDB), Neo4j
- **Cloud/DevOps:** AWS, Docker, Terraform, CI/CD (Git, Jenkins)
- **Methodologies:** Agile (Scrum), TDD
- **Other:** REST, System Design, Serverless, UI/UX, Team Collaboration

Professional Experience

Software Engineer

IBM, London (Mar 2021 – May 2024)

- Engineered 4 large-scale projects in Agile environments, integrating microservices (Spring Boot, Node.js) with front ends (ReactJS, NextJS).
- Implemented a serverless architecture on AWS (Lambda, API Gateway) for a greenfield project, reducing operational overhead.
- Developed features in Java, JavaScript, Python, maintaining high code quality through TDD and peer reviews.
- Optimized applications to securely process large volumes of sensitive data on AWS.
- Presented technical findings and milestone achievements to senior stakeholders.

Software Developer

AND Digital, Yorkshire (Feb 2020 – Feb 2021)

- Created JavaScript/ReactJS front ends with robust automated tests, integrating third-party APIs.
- Collaborated across cross-functional Agile teams, contributing to architectural decisions and sprint planning.

Android Developer

Storm Ideas, Edinburgh (Mar 2019 – Jun 2019)

- Developed and tested new Android features (Android SDK), improving performance and user experience.
- Maintained the app post-deployment with regular updates, bug fixes, and user feedback integration.

Education

MSc in Computer Science

University of Edinburgh (Sep 2017 – Dec 2018)

Pass

BSc (Hons) in Computer Science

Brunel University, London (Sep 2012 – Jul 2016)

First-Class Honours

Additional Information

- Confident presenter and communicator, translating technical concepts for diverse audiences.
- Skilled in Business Analyst activities and UI/UX design principles.
- Strong team player while able to accept full responsibility individually.
- Experienced working with cross-functional and distributed teams.
- Portfolio of personal projects: mannysandhu.github.io