

# Faseeh Lodhi, Software Engineer

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## LINKS

[Personal Website](#), [LinkedIn](#), [YouTube](#), [GitHub](#)

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## PERSONAL STATEMENT

Passionate about crafting innovative solutions, I have a strong foundation in Software Engineering, particularly in mobile and web development. My active contributions to various projects have enhanced my ability to innovate and collaborate on diverse applications. I am committed to sharing knowledge, demonstrated through my YouTube channel called Binaryhood where I share insights and tutorials with a broader audience. As I move forward in my career, I am keen to utilise my diverse skills and experience in a software engineering role, offering a unique combination of technical proficiency and problem-solving mindset.

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## EMPLOYMENT HISTORY

Jun 2023 — Present

### Software Engineer, Sky

Leeds

- Played a pivotal role in Sky's Identity team, developing a customer identity verification portal using Java, Spring Boot, and React. This portal facilitated OTP generation and verification, streamlining customer identity checks for call agents.
- Contributed to the MySky App in the Digital Technology team at Sky, working extensively with React Native, TypeScript, Node, Firebase and GraphQL. Released new app features on the App Store and Play Store, focusing on deep linking, third-party SDK maintenance, and enhancing specific user journeys.
- Collaborated with backend teams, made changes to Redux slice to ensure a seamless journey across web and mobile platforms. These efforts were highly praised by stakeholders for their effectiveness.
- Monitored the MySky App using Grafana and Dynatrace to ensure a smooth user experience. Prioritised robust testing practices with Jest and Playwright, and implemented CI/CD pipelines using Docker, Jenkins, and Concourse for seamless software automation.
- Initiated tech guilds to share the latest insights with the mobile team. Improved application documentation on Confluence, ran release calls, and supported the application on weekends. Demonstrated a commitment to excellence and continuous learning, fostering a collaborative and optimistic work environment.

Jun 2022 — Sep 2022

### Research Intern, University of Oxford

Oxford

- Developed *Mozz Wear*, an Android application in Java using Android Studio, that detects mosquitoes by analysing their flight tone through audio recordings and spectrogram generation.
  - Integrated a deep-learning Bayesian Neural Network (BNN) model converted into TensorFlow, enabling probabilistic prediction of mosquito presence with high accuracy.
  - Designed wireframes and mock-ups for the user interface, optimising performance, reliability, and efficiency. Included a scheduling feature for automated audio recordings, crucial for night-time data collection.
  - Maintained the app on the Google Play Store, facilitating real-time mosquito detection for the people of Tanzania. The project, funded by the Bill & Melinda Gates Foundation, significantly contributed to malaria prevention efforts by providing valuable data on mosquito-dense regions.
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## EDUCATION

Oct 2019 — Jul 2022

### BSc Computer Science, University of Surrey

Guildford

*Award: Bachelor of Science in Computer Science with First Class Honours*

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## SKILLS

JavaScript/TypeScript

React/React Native

Java

Spring Boot

C++

AWS/Docker/Concourse/Jenkins

Python/Flask

Git/GitHub

HTML/CSS (UI/UX)

Linux/Mac

SQL

Agile

GraphQL

Machine Learning

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## LANGUAGES

English

Urdu

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## REFERENCES

Sam Ransom from Sky Entertainment UK

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