# OMOOHWO OHWODUADJEKE

*Software Engineer*

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## TECHNICAL SKILLS

ReactJS • Python • Java • JavaScript • NodeJS • MongoDB • Azure • Kotlin • CSS •
HTML • Express.js • Bootstrap • PyQT • Figma • Git • FFMPEG • JSON Web Token (JWT)

## PROJECTS EXPERIENCE

### Microsoft Outlook Add-In 🔗

- Collaborated with a Cybersecurity SaaS company to enhance and prototype their existing Microsoft Outlook Add-In that streamlines secure email workflows.
- Designed and implemented real-time sensitive data detection, automatically flagging and classifying confidential content before sending.
- Designed seamless user experience by embedding the security features natively within Outlook allowing recipients to decrypt messages without additional software.
- Documented prototype specifications and conducted stakeholder demonstration, providing a clear roadmap for enterprise-level design and future feature expansion.

### Automated Screen Recorder 🔗

- Designed a cross-platform screen recording solution using FFmpeg for Windows & Linux systems capturing both high-resolution video and audio streams seamlessly.
- Developed an automation system with Python, employing psutil to detect target application launch and automatically start/stop FFmpeg recording sessions reducing manual steps and increasing efficiency.
- Implemented multithreading and clean FFmpeg integration via PyQT's QProcess, enabling a responive User Interface during recordings.
- Enhanced user experience with notifications, using Plyer to send cross-platform desktop alerts when automation starts or stops a recording session.

### Recipe/Cuisine Sharer 🔗

- Led the design and development of a recipe application focusing on strong backend and deployment practices.
- Managed a cross-functional team with agile methodologies and rigorous code reviews to ensure quality and scalability.
- Implemented Node.js, Express.js, and SQLite for the backend, with GitHub Actions and Azure WebApps for CI/CD.
- Championed continuous testing and iterative enhancements, optimizing overall performance and user experience.

### Location Finder 🔗

- Used Java to build a Location Finder web application which allows users to search for points of interest such as cities, historical sites or restaurants.
- Implemented Java DAO classes, creating JSP pages for user interaction, and ensuring seamless integration between the Java backend and JSP frontend.
- Created an SQLite database for the locations which is rendered on Jakarta Server Pages (JSP) upon users search.

## EDUCATION

**Software Engineering**                                                                     2022 – 2025
*Southampton Solent University* 🔗                                           Southampton, England