

Hayley Kwok

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Adaptable and passionate developer with full development life-cycle experience of web applications and desktop applications across different tech stacks.

SKILLS

- ✓ *Programming languages:* C#, Kotlin, Go, Java, Python, JavaScript, TypeScript, Haskell, Ruby.
- ✓ *Website Development (Back End):* .Net Blazor, Spring Boot, Flask & Jinja2, Ruby on Rails.
- ✓ *Website Development (Front End):* Angular, React, Bootstrap, HTML5 & CSS.
- ✓ *Desktop Application Development:* .NET WPF, Electron.
- ✓ *DevOps:* Jenkins, Azure DevOps Server, GitHub Actions.

WORK EXPERIENCE

Software Engineer | American Express | Burgess Hill, UK

Jun 2023 - Present

- ✓ Collaborated within a back-end team responsible for enhancing network connectivity between merchants and SafeKey.
- ✓ Implemented solutions ranging from nginx configurations to certificate management and gRPC integration using Go, contributing to the robustness and security of the system.
- ✓ Led the development of a batch processing tool for encrypted files, managing the project from conception to production. Delivered a solution that underwent rigorous security evaluations to ensure compliance with industry standards.

Graduate Software Engineer | American Express | Burgess Hill, UK

Sep 2022 - Jun 2023

- ✓ Contributed to a full-stack team responsible for developing a B2B cross-currency payment system, leveraging Kotlin, Spring Boot, JavaScript and React.
- ✓ Worked on stories ranging from front-end user interface changes, accessibility improvement, API endpoint changes, scheduling jobs creation and Jenkins deployment.

Software Engineering Summer Intern | Panaseer | London, UK

Jun 2021 - Sep 2021

- ✓ Added new features to the web client and API server using TypeScript, Angular, Java and Spring Boot.
- ✓ Built a new data ingestion connector for the data source of the application using Apache NiFi.

Junior Software Engineer | Certara UK Limited | Sheffield, UK

Jun 2020 - Jun 2021

- ✓ Worked on projects to improve the main product (Simcyp Simulator)'s performance.
 - Used "lazy loading" to reduce the software's start-up time by 10%.
 - Built a code generation tool to replace the Fody package that led to changes in 310+ files.
- ✓ Developed WPF applications using the MVVM pattern, C#, .NET 5 and .NET framework.

Web Developer | NotiFacts | Birmingham, UK

Aug 2020 - Jan 2021

- ✓ Converted designs to the company's website using Bootstrap and HTML5 and worked on the back-end server development using Python Flask.

EDUCATION

BSc in Computer Science with a Year in Industry | University of Sheffield

2018 - 2022

- ✓ Final Grade: First-Class Honours.
- ✓ Dissertation on data visualisation of user's social media data. The project includes the development of a single-page application with client-side processing using .NET Blazor WebAssembly.
 - Demo link: <https://hayley-kwok.github.io/Privasight/>