

# Hayley Kwok

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Adaptable and passionate developer with full stack experience of developing web applications and desktop applications across different tech stacks. Most experienced with .NET (C#).

## 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

- ✓ Enhanced the network connectivity between merchants and [SafeKey](#) by implementing solutions ranging from nginx configurations to certificate management and gRPC integration using Go, contributing to the robustness and security of the [SafeKey](#) system.
- ✓ Led the development of a batch processing tool for encrypted files, and managed 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

- ✓ Worked as a member of a full stack team for the development of a B2B cross-currency payment platform ([Global Pay](#)) using 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 user experience-enhancing 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 biosimulation product ([Simcyp Simulator](#))'s performance.
  - Used "lazy loading" to reduce the software's startup loading time by 10%.
  - Developed a code generation tool to substitute the Fody package, resulting in modifications to 40% of the files within the codebase without introducing any software bugs.
- ✓ Developed WPF desktop applications using the MVVM pattern, C#, XAML, .NET 5 and .NET framework.

### Web Developer | NotiFacts | Birmingham, UK

Aug 2020 - Jan 2021

- ✓ Built the whole company's website based on the Figma design using Bootstrap and HTML5
- ✓ 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 included the development of a single-page application with client-side processing using .NET Blazor WebAssembly.
  - Demo link: <https://hayley-kwok.github.io/Privasight/>