

Hayley Kwok

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Flexible full-stack software engineer experienced in developing cloud and web applications across diverse technologies including *.NET*, *AWS*, *Kotlin*, *Go* and *JavaScript*. Known for quickly adapting to new environments and delivering production-ready solutions across both established and greenfield projects.

SKILLS

- ✓ *Programming languages*: C#, Kotlin, Go, Java, Python, JavaScript, TypeScript, Haskell, Ruby.
- ✓ *Website Development (Back End)*: ASP.NET Core, .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*: AWS, Jenkins, Azure DevOps Server, GitHub Actions.

WORK EXPERIENCE

Software Engineer | FundApps | London, UK

May 2024- Present

Worked across two teams contributing to both established systems and greenfield project.

- ✓ Contributed to a mature team enhancing client file data through integrations with external third-party sources using .NET and AWS services such as DynamoDB, S3, and EventBridge. Worked within the FundApps' cloud-native platform, which handles 100+ million rule evaluations daily across millions of positions. Collaborated closely with senior engineers and led certain project aspects involving graduates and interns.
- ✓ Led the design and implementation of a new functionality for an existing API service, taking ownership of the project's technical direction and mentoring a graduate engineer through delivery.
- ✓ Selected to join a newly formed greenfield team following strong performance in the previous team, collaborating from inception to build the [Form PF Reporting](#)— a MVP delivered in four months that reached a sale-ready state and operate at scale within the FundApps' platform.

Software Engineer | American Express | Burgess Hill, UK

Jun 2023 - Apr 2024

- ✓ Enhanced [SafeKey](#) network security and connectivity through *nginx*, *certificate management*, and *gRPC integration in Go*, supporting the system that handles most American Express transaction traffic.
- ✓ Led end-to-end development of a secure encrypted-file batch processing tool, ensuring full compliance with industry standards.

Graduate Software Engineer | American Express | Burgess Hill, UK

Sep 2022 - Jun 2023

- ✓ Contributed to a mature full-stack team on [Global Pay](#) (*Kotlin*, *Spring Boot*, *JS*, *React*), enhancing UI and APIs.

Software Engineering Summer Intern | Panaseer | London, UK

Jun 2021 - Sep 2021

- ✓ Built UX-enhancing features on the client and API using *TypeScript*, *Angular*, and *Spring Boot*.

Junior Software Engineer | Certara UK Limited | Sheffield, UK

Jun 2020 - Jun 2021

- ✓ Enhanced [Simcyp Simulator](#) performance by implementing lazy loading to cut startup time by 10% and developing a code-generation tool that safely modified 30% of the codebase.(*.NET framework WPF*)

Web Developer | NotiFacts | Birmingham, UK

Aug 2020 - Jan 2021

EDUCATION

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

2018 - 2022

- ✓ Final Grade: First-Class Honours.
- ✓ Dissertation on visualizing social media data using a client-side SPA with .NET Blazor WebAssembly.
 - Demo link: <https://hayley-kwok.github.io/Privasight/>