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*. 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 [Form PF Reporting](https://www.fundapps.co/form-pf-reporting)—a fully functional reporting product delivered within four months, successfully adopted by clients and operating at scale within FundApps’ platform, which handles 100+ million rule evaluations daily across millions of positions in a cloud-native architecture.

**Software Engineer | American Express | Burgess Hill, UK Jun 2023 - Apr 2024**

* Enhanced [SafeKey](https://www.americanexpress.com/uk/security/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](https://www.americanexpress.com/en-us/business/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](https://www.certara.com/simcyp-overview/) 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/>