

# Sam Taylor

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## TECHNICAL SKILLS

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**Languages:** Java, Python, TypeScript, JavaScript, C  
**Frameworks:** Django, Spring Boot, JUnit, ReactJS, NestJS, Jest  
**Developer Tools:** Git, Postman, Docker, Jira, AWS

## WORK EXPERIENCE

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**Software Engineering Intern** January 2025 - June 2025  
*Stripe, EMEA Wallets | Java, gRPC, Ruby* Dublin, Ireland

- Developed new features for a payment method launched in alpha, such as custom merchant branding and separate authorisation and capture
- Enhanced merchant experience and reduced friction with separate authorisation and capture for a separate payment method

**Software Engineer** September 2024 - January 2025  
*Curie | Python, AWS, NextJS, Git, Jira* Dublin, Ireland

- Implemented real-time updates using GraphQL subscriptions
- Reduced latency on a critical path using asynchronous workflows

**Software Engineering Intern** June 2024 - August 2024  
*Stripe, Test Data Infrastructure | Java, gRPC, ReactJS, Git* Dublin, Ireland

- Internal tooling used across the company to generate reliable test data in a replicable fashion
- Presented intern project to company-wide "Fireside" event

**Software Engineer** September 2023 - May 2024

**Software Engineering Intern** June 2023 - August 2023  
*Xelda | Python, Django, Typescript, ReactJS, Git, Jira, AWS* Dublin, Ireland

- Responsibilities spread across the front end and back end, including deploying releases and monitoring issues
- Involved reacting in a timely manner to customers' concerns or issues
- Built a three-stage AWS CI/CD pipeline including integration tests for a NextJS application

**Sales Assistant** June 2021 - May 2024  
*Joe Daly Cycles* Dublin, Ireland

## EDUCATION

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**Trinity College Dublin** September 2021 - Present  
*B.A. (Mod) in Computer Science* Dublin, Ireland

**Grade:** I.I

### Key Modules

- Discrete Mathematics, Formal Verification, Algorithms and Data Structures, Software Engineering, Functional Programming, Computer Networks

**Wesley College Dublin** September 2015 - June 2021  
*Secondary Education* Dublin, Ireland

## PROJECTS

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**Competitor Matching System** | *Python, Django, FAISS, YOLO, ResNet, Git* January 2024 - April 2024

- Lead a team of 11 college students to construct a full end-to-end competitor matching machine learning system using logo detection alongside our client Integral Ad Science, placing second in our year
- Built a fully scalable system to recognise brands by their logo, including pipelines for supporting additional brands

**Real-Time Encrypted Messaging** | *Django, Redis, ReactJS, Cryptography, Websockets* April 2024

- Developed a full-stack web app that performed AES-256 and RSA-4096 encryption alongside X.509 certificate verification and RSA-4096 signing to encrypt social media chats

**Third Party Integrations** | *Python, Django, REST API, Git, VS Code, Postman* January 2023 - April 2023

- Developed a micro-service abstraction that provided integrations to multiple external REST services for our client Xelda