

Sam Taylor

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TECHNICAL SKILLS

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

WORK EXPERIENCE

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

Trinity College Dublin September 2025 - Present
Master's in Computer Science Dublin, Ireland

Trinity College Dublin September 2021 - May 2025
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

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