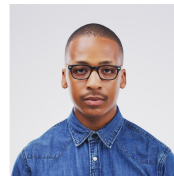


## JUNIOR SOFTWARE ENGINEER

# Owen Pritchard



Sheffield, United Kingdom // owen.pritchard@gmail.com // +44 7314 892 057 // linkedin.com/in/owenpritchard

Software Engineering graduate from the University of Sheffield with a year in industry at **Sky** working on microservices and internal tooling. Contributed **3 merged PRs** to an open source project with 1,200 GitHub stars. Deployed a full-stack side project serving **500 monthly active users**. Comfortable with TypeScript, Python, React, Node.js, and PostgreSQL in production environments.

### EXPERIENCE

Jul 2024 – Jun 2025

#### Software Engineer (Year in Industry), Sky, Leeds

Worked in the platform engineering team on internal tools and customer-facing microservices.

- Built **3 REST API endpoints** in Node.js (Express) consumed by the Sky Go mobile app, handling **12,000 requests per hour** at peak
- Improved the CI/CD pipeline for the team's services, reducing **build times from 14 minutes to 6 minutes** by parallelising test suites
- Completed an average of **18 story points per sprint** across 12 two-week sprints, participating in daily stand-ups and retrospectives
- Wrote **94% test coverage** for a new authentication middleware used by 3 internal services

Sep 2023 – Jun 2024

#### Teaching Assistant (Part-time), University of Sheffield, Department of Computer Science, Sheffield

Part-time TA for the first year Introduction to Programming module (Java).

- Ran weekly lab sessions for **3 groups of 25 students**, helping debug code and explaining core concepts
- Marked **150 coursework submissions** across 2 semesters, providing written feedback on code quality and structure

### EDUCATION

Sep 2021 – Jul 2025

#### BEng (Hons) Software Engineering in Software Engineering, University of Sheffield, Sheffield

First Class Honours (1st, **73% average**). Dissertation on *optimising real-time WebSocket communication for collaborative editing tools* received **82%**.

- Relevant modules: Software Architecture, Distributed Systems, Database Systems, Algorithms & Data Structures, Agile Development
- Completed year in industry at Sky (see experience above)

### SKILLS

TypeScript & JavaScript • Python • React & Next.js • Node.js (Express) • PostgreSQL & Redis • Docker & Docker Compose • AWS (EC2, S3, Lambda) • Git & GitHub (PR workflows) • CI/CD (GitHub Actions, Jenkins) • REST APIs & GraphQL • Jest & Pytest (Testing) • Linux (Ubuntu, CLI)

### CERTIFICATIONS

Jan 2025 – Jan 2028

**AWS Cloud Practitioner**, Amazon Web Services

Mar 2025 – Mar 2025

**Professional Scrum Master I (PSM I)**, Scrum.org

### LANGUAGES

English - Native • Welsh - Basic

### PROJECTS

Jan 2024 – Jun 2024

#### Flatmate Expenses App (Side Project, Deployed)

A full-stack web app for splitting household expenses between flatmates, deployed on a Hetzner VPS.

- Built with **React (Next.js)** frontend, **Node.js (Express)** backend, and **PostgreSQL** database
- Serves **500 monthly active users** with an average response time of **120ms**
- Open source on GitHub with **84 stars** and 6 community contributions

Sep 2024 – Feb 2025

#### Open Source Contribution – Express Rate Limiter

Contributed to a popular rate limiting middleware for Express.js (1,200 GitHub stars).

- Submitted **3 merged pull requests** fixing edge cases in the sliding window algorithm
- One fix resolved a bug affecting an estimated **4,000 downstream dependents**
- Wrote **12 unit tests** covering the edge cases identified during bug investigation

## REFERENCES

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**Mark Thornton**                      Engineering Manager, Sky, mark.thornton@sky.uk, +44 7700 900 193

## EXTRA CURRICULAR ACTIVITY

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*Sep 2022 – Jun 2025*

**Committee Member – Sheffield CompSoc (Computer Science Society)**

Organised **10 hackathons and coding workshops** across 3 years, with average attendance of 45 students. Secured sponsorship from GitHub and JetBrains for the annual hackathon.

*Jan 2024 – Jun 2024*

**Mentor – CodeFirst:Girls Sheffield Chapter**

Mentored **8 women** learning Python over a 12 week evening course. Provided code reviews, pair programming sessions, and career advice.