JAMIE LOU

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EXPERIENCE

Beamery   Oct 2021 – Present

Backend Engineer - Feb 2023 - Present
Junior Backend Engineer - Jan 2022 - Feb 2023
Software Engineering Trainee - Oct 2021 - Feb 2022

Migrating APIs
- Working in a SCRUM team to develop a REST backend, maintaining feature parity with existing endpoints (migrating from **Golang** API gateway to **Typescript**)**.**
- Performing load testing with K6 to ensure system resilience and performance
- Ensuring appropriate observability in place with **Prometheus** and **Grafana**
- Creating and extending automated test suites with **Mocha** and **Jest**
- Implementing middleware to speed development and reduce conflicts

Redesigning permissions service and implementing OAuth authentication
- Added **OAuth** client-credential grant as an alternative authentication flow
- REST backend using **Postgresql** (**Prisma** ORM) and supporting client
- Maintain compatibility with both existing **JWT** tokens and new Auth0 tokens
- Ensuring low latency by optimizing design and utilising caching with **Redis**
- Implementing audit trailing for enhanced traceability

Misc.
- Scripting to automate manual tasks and support data change requests
- Supporting customer success teams, triaging bugs, mitigating and resolving incidents
- Contributing to planning, discovery for features/projects
- Extending existing features and customer SOWs

Sykes Digital Services (formerly Symphony Ventures)   Nov 2018 – Sep 2021
Robotics Process Automation Consultant
- Develop four unattended automations using UiPath for a multi-national courier company. One of which enabled a savings of £25,000 over a period of 3 months. ~10 FTE savings across the other three solutions.
- Working within a scrum team to implement multiple processes using UiPath for a BPO company. One of the first live robots for new CoE, working in an Agile environment.
- Contributing to the growth of CoE, creating documentation of best practices, PoCs and mentoring newer developers.
- Enhancing suite of tools by aiding development of a NICE accelerator, built in C# and front-end design with VueJS.

EDUCATION

University of Manchester, MEng Chemical Engineering   Sep 2014 – Jul 2018
Overall Mark: First Class

TECHNICAL SKILLS

Languages: Typescript, Javascript

Frameworks and libraries: Express, Node, NestJS, Jest, Mocha

Tools: Git, Docker, Kubernetes, MongoDB, Postgresql, Grafana, Prometheus, GCP, Redis, Istio, Kafka