

# Erry Kostala

I am a senior software engineer with 8 years of experience. I am skilled in designing reliable and performant systems, integrating with third parties, and building solutions from the ground up. In my next role, I am looking for a role that will allow me to grow into a Staff Engineer or Architect position.

## EXPERIENCE

### Unmind LTD, London — Senior Software Engineer (Identity Services)

June 2021 - Present

- Led **Single Sign On (SSO) integration** through **Auth0** including technical discovery, design/architecture and implementation.
- Designed and led the development of microservice architecture for the identity services team to meet the needs of both our SSO integration and other teams' identity needs. This included the development of services in typescript, and the deployment of services using Terraform.
- Led the discovery and resolution of security issues. Additionally, I led a cross-department Security Working Group to ensure any further security issues were identified and triaged quickly.
- Mentored other engineers (from junior to senior level) at building their technical skills.

**Skills:** Microservices, Nodejs, Typescript, MySQL, Terraform, Docker

### Lantum LTD, London — Senior Software Engineer

July 2019 - June 2021

- Led a migration to **Apollo GraphQL** from flask and Graphene, independently planned and led a project to replace our graphql gateway. The end result was a **3x increase** in the amount of users served and reduction of response time.
- Led the implementation of a SQS & SNS based queuing system for email notifications. Improved the visibility of email delivery and reduced error rate by 20%.
- As a **technical lead**, led the architectural design and development of a new Microservice API for timesheet submission and auditing for freelance Locum staff working for NHS practices - building one of the most important services for the company. Developed billing solutions related to a new product for Lantum's **COVID-19 response**.
- As a **technical lead**, led a project to integrate the Lantum platform with the NHS Electronic Staff Record, including management of payroll, annual leave, and education for staff. This was crucial to get the Lantum product to be used by more secondary care institutions, earning Lantum a £1 million deal.
- Led the deployment of a new kubernetes cluster to aid the launch of our new US-based product.

**Skills:** Microservices, Nodejs, Kubernetes, Python, Devops, AWS, PostgreSQL, Software Performance, Docker

British/EU Dual Citizen  
London E14  
<https://www.errietta.me/>  
[errietta@errietta.me](mailto:errietta@errietta.me)

## SKILLS

- Python
- Node.JS
- AWS
- Typescript
- PostgreSQL & MySQL
- NoSQL (MongoDB)
- Microservices

## INTERESTS

- Mentoring
- Moving fast & doing things right
- Modern technologies
- Microservices
- Performant Software

## **Zoopla LTD, London — Software Engineer**

August 2018 - July 2019

- As part of an **award-winning** team (women in tech engineering product team of the year), led the design and development of a new Python & Elasticsearch based API for searching new build developments serving thousands of users on Zoopla.
- Took initiative in mentoring Junior Developers in JavaScript development and good practices.

**Skills:** Python, Node.js, Devops, AWS, MySQL, Docker

## **FairFX PLC, London — Software Architect**

May 2016 - August 2018

- Led the re-design of a database schema to meet new requirements in functionality.
- Led a project to integrate the FairFX API with a third-party card processor, which involved a refactor of a large part of the codebase.
- Led an effort in finding and resolving security issues such as Cross-Site scripting and SQL injection, as well as keeping the platform PCI compliant.

**Skills:** Perl, Node.js, Typescript, AWS, PostgreSQL

## **Self-Employed — Freelance Software Developer**

2013 - May 2016

### - **Mobile application development**

Developed an e-learning mobile video player for a client.

### - **Web development**

PHP & Javascript web development for various clients.

**Skills:** Node.js, MongoDB, Angular.js, ionic.js, PHP, Javascript

## **Shadowcat Systems, Lancaster — Software Developer**

June 2014 - July 2015

### - **Payment processing**

Led the paypal integration for a SaaS platform for a client.

### - **E2E testing**

Led the black-box testing of a client API and wrote documentation for the API.

**Skills:** Perl, JavaScript, Client communication

## **TALKS**

- NodeJS & AWS Lambda - London Trending.js 2021 <https://erk.sh/trendingjs>
- Building blazing-fast APIs with FastAPI - Glasgow 10 November 2020(Remotely) <https://erk.sh/fastapi>
- Building APIs with Node.js, Lambda & Serverless - London Jan 2019 - <https://erk.sh/lnug1901>
- **Bonus:** Don't recognise the URL shortener I used here? [I wrote it myself!](#)