

Louise Pike

Software Engineer

🔗 <https://louise-pike.netlify.app/>
🔗 <https://github.com/stars/louisep1/lists/portfolio>

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Work Experience

Fullstack Developer | Basal Inc.

📍 Japan

June 2024 to present

Project: A web application that serves as a low-code development platform, where users (other developers) can manage and deploy microservices. The user can choose all default settings and deploy a fully operating service immediately, or have control and freedom to fully customise and integrate their own code.

UI built with angular and state managed with RxJs.

Backend uses clean architecture principles, built with TypeScript and Node.js and utilizes MongoDB and Express.js.

Connects to Google APIs to deploy, including build process of zips to container images, manage permissions, enable apis and manage instances/revisions.

(Cloud Run, App Engine, Cloud Build, Cloud Storage, etc...)

Role details: Startup company. Worked in a development team of 2, but collaborated with other teams/divisions in the company and with clients. The foundation for all projects developed internally for external clients used our cloud-deployed microservices.

Worked on design, code, test, review, deployment, documentation, managed cicd/github actions, security, package upgrades and maintenance

I was in charge of a feature in which we migrated our deployment logic from app engine to cloud run.

In my first month, created a feature that connected to openAI chat completions api to help with debugging logs.

Agile development and involved with sprint planning meetings.

Technologies: TypeScript, RxJs, Angular, Node.js, Google Cloud Platform, Google APIs, Express.js, MongoDB, CSS, HTML, microservices, containers

Software Engineer | Pyxos Corp

December 2022 to December 2023 (1 year)

Project: Software as a service (SaaS), cloud-based patient management software application for veterinary clinics.

Included reservation calendar (real-time), digital patient record (medical and financial data entries for each appointment, including freeflow text input, ability to upload images, documenting prescriptions, dosages, breakdown of billing charges calculated according to discounts or insurance coverage, history of saved changes), payment records.

Role details:

- Collaborated in team of 4 engineers
- Oversaw the entire development process: planning, UI and API structure design, decision-making for necessary changes, implementation of ideas, creation and testing phases.
- Built REST APIs to store and retrieve user data, ensuring correct user authentication and authorization access rights.
- Built reactive, dynamic UI to respond to front-end state management changes, both from incoming response data from the server and from user inputted changes in the browser.
- Proactively responded to client requests and fixed bugs.
- Wrote rigorous unit tests to ensure each change was compatible and prevent breakage in the code.
- Conducted code reviews, to improve code quality, readability and uniformity.
- Atomic design for frontend file structure for ease of reusability of components.

Technologies: JavaScript, Vue.js, Vuex, Node.js, Express, SQL, Sequelize, Jest, Vue Test Utils, Sass/SCSS, HTML, Google Cloud Platform, Git, TypeScript, Socket.io

Summary

Highly-motivated software engineer, specialising in full stack web development. As a developer, I enjoy the challenge of continually learning and solving problems and find great fulfillment in seeing code work successfully and in building new and innovative features.

Tech stack / Skills

Frontend:

JavaScript TypeScript CSS HTML
Vue.js Vuex Angular.js RxJs React
React Router Redux Redux Toolkit Jest
Sass/SCSS Bootstrap Tailwind CSS
Daisy UI Axios

Backend:

Node.js Express GCP MySQL SQL
Sequelize NoSQL MongoDB Mongoose
JSON Web Token Bcrypt

Additional tools/skills:

GitHub/GitHub Desktop Postman
HeidiSQL MySQL Workbench XAMPP
phpMyAdmin MongoDB Compass
Firebase/Firestore
PayPal Sandbox Heroku Render
Agile development Kanban

Portfolio Projects

Clean Hotels | React, MySQL, Sass (Prior to December 2022)

Using React and Sass/SCSS in the frontend and MySQL, Express and Node.js in the backend, users can browse the page of this small chain of local hotels and reserve a room today.

<https://clean-hotels.onrender.com>

Event Ticket Page | Node.js, Mongoose, Bootstrap (Prior to December 2022)

Using React with Bootstrap styling in the frontend and MongoDB, Mongoose and Express in the backend, this full stack app allows users to buy and sell tickets to their favourite events.

<https://event-ticket-page.onrender.com/>

Social Networking App | DaisyUI, Tailwind, React (Prior to December 2022)

The Social Network App is a mobile-first messaging page, built with React, Tailwind CSS and DaisyUI in the frontend, inspired by popular modern-day messaging services and designed for optimum use on a mobile device. Users can search for friends by email address and send messages.

<https://social-network-app.onrender.com/>

Past Work Experience

Educator | Yaruki Switch Group

📍 Japan

July 2019 to July 2022 (3 years)

- Teaching children with very little English experience and exposure.
- Focus on active language production.
- Adept at working with clients (students) directly, face-to-face, considering their needs, goals and requirements.
- Worked within a diverse team of Japanese and international staff.

Nursery Manager | Tinysaurus Nurseries

📍 UK

February 2018 to March 2019 (1 year)

- Started as a Trainee Manager, then Assistant Manager, then Nursery Manager
- Leadership of staff and overseeing tasks, officer of health and safety, delivering training, recruitment, marketing, ensuring customer satisfaction, dealing with complains and issues.

Receptionist | Kicks Martial Arts Center

January 2016 to July 2019 (3½ years)

- Part-time work as a receptionist at a local martial arts centre.
- Learnt that teamwork, communication and closeness with clients were essential to success in this business.

Activities Coordinator | Lyndhurst Rest Homes

August 2016 to March 2017 (½ year)

- Organised activities for elderly residents in a care home. (Part-time)
- Learnt about the need to prioritise the facility users.

Education History



CELTA (Cambridge English Level 5 Certificate in Teaching English to Speakers of Other Languages) | St Giles, Brighton

April – May 2019

Grade A Pass



MA International Education and Development | University of Sussex

Sept 2016 – Sept 2017

Merit

BA Childhood and Youth | University of Sussex

Sept 2013 – July 2016

First Class Honours

Languages

English	Japanese	Spanish
Native	Conversational	Basic

Passions

Dance Scuba diving Travel Outdoors
Walking Learning Languages