

# Nathan Levy

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## WORK EXPERIENCE

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This is **not** a complete list of my work, but rather several relevant jobs showcasing the various technologies I have used and fields I have worked in.

### Lead Developer – [Partplace](#)

Technologies used: Node.js, Typescript, React, NGINX

I am developing a MVP for a startup, Partplace, which involves

- Designing, developing and testing a modern web app
- Building a platform while integrating services such as Shopify and Stripe
- Setting up and maintaining CI/CD using GitLab and an NGINX server on AWS

### Software Engineer – [Little Red Trucks](#)

Technologies used: Python, Node.js, Vue.js, Typescript, PostgreSQL, NGINX

I work as a lead engineer on various projects including:

- Extending the website, adding content, integrating it with relevant APIs, launching new features
- Completing and launching an app for their truck drivers
- Automating internal admin tasks

### Integration Developer – [Inworld.ai](#)

Technologies used: Java, Spigot, API Integration

I integrated Inworld's AI characters into a Minecraft plugin, implementing features included:

- Summoning, messaging, and interacting with AI-powered NPCs
- Interacting with Inworld's REST API to transfer data between the Minecraft server and Inworld's AI
- Triggering in-game events with certain conversations

### Full-Stack Engineer - [Pearler](#)

Technologies used: React, Typescript, Node.js, GraphQL

I worked within Pearler's engineering team to develop their website, working on things such as:

- Extending features such as their financial calculator and an admin panel
- Implementing functionality to change the email address and phone number linked to a user's account
- Modifying authentication to allow google/apple account users to also sign in with their email address

### Surveying App Developer – [Red Group](#)

Technologies used: C/C++, Bash

I developed a server application used to process surveying data, which involved implementing:

- TCP connections with clients and scanning UDP ports for GPS/mobile data
- Filtering and translating GPS/mobile data into a custom protocol
- Sending out the transformed data to all connected clients

## TECHNICAL

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**Skills:** Frontend, Backend, Full Stack, Scripting, Automation, API Integration

**Primary Languages:** C, Python, Java, JavaScript, Node.js, Vue.js, React, TypeScript, SQL

**Other Technologies:** AWS, Bash, C++, C#, GraphQL, HTML, CSS, Perl, MIPS Assembly, NGINX

**Process:** CI, CD, Code Review, SDLC, Test Driven Development, Waterfall

## EDUCATION

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**Bachelor of Computer Science / Science**

[Feb. 2019 - Present](#)

Commenced studies in 2019 at the University of New South Wales

## VOLUNTEERING

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[2023-24](#) **Board Member – Australasian Union of Jewish Students (AUJS)**

[2023](#) **Treasurer – AUJS**

- Budgeting for campaigns across Australia and New Zealand
- Providing support to treasurers from various regions and campuses

[2022](#) **Youth Leader (Madrach) – Bnei Akiva New Zealand**

- Volunteered in a Jewish youth movement called Bnei Akiva, which involved:
- Being a youth leader on two camps (summer and winter), helping with planning and logistics
- Attending meetings and attending/supporting programs throughout the year

[2022](#) **NSW Regional Treasurer – AUJS**

[2021](#) **UNSW Campus President – AUJS**

[2020](#) **UNSW Campus Secretary – AUJS**

## LEADERSHIP

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**AJC Global Forum**

[Jun. 2023](#)

- Attended a conference run by the American Jewish Committee (AJC) with over 1500 attendees
- Invited to join a delegation of 55 student leaders from the World Union of Jewish Students (WUJS)
- Met politicians, journalists, diplomats and various experts from America, Israel, and Europe

**AUJS Leadership and Development Program (LDP)**

[Dec. 2022 - Jan. 2023](#)

Highly competitive program for student leaders to learn more about leadership and the Jewish world. This 6 week program involved visiting Israel, New York, Washington D.C. and Dubai.

**AUJS Political Training Seminar (PTS)**

[Sep. 2022](#)

Visited Canberra with a delegation from Australia & New Zealand to meet politicians, journalists and diplomats

**Jeremy Spinak Young Leaders Program**

[Oct. – Dec. 2020](#)

Participated in a 9 week leadership program run by the NSW Jewish Board of Deputies