

Samuel Chen

Melbourne, Australia

+61 406410662

sche842@gmail.com

linkedin.com/in/samuelchen17

Junior Software Engineer | Former Civil Engineer | NZ Citizen

I am a highly motivated aspiring developer with a background in civil engineering. My experience as a project manager has equipped me with problem-solving and critical thinking skills which I aim to bring into the software field.

Skills

React, JavaScript, Tailwind, HTML, CSS, Responsive Design, NodeJS, ExpressJS, MongoDB, Version Control (Git)

Projects

Poke Web Handbook | Demo poke-web-handbook.vercel.app

- Leveraged the Pokemon API to dynamically fetch and display detailed Pokemon data including evolution, region and weakness. Functionalities include: favourites, sort, search by id and name and filter by region.
- Developed and designed responsive front-end interface using React and Tailwind CSS.
- Implemented advanced state management techniques with React hooks to efficiently handle and render API data in real-time.

React Weather App | Demo: weather-app-one-red-97.vercel.app

- Developed a weather app using React, leveraging the OpenWeather API to fetch and display real-time weather data and based on selected city or current location.
- Integrated GeoDB Cities API to implement an autocomplete city search feature.
- Implemented CSS styling to adapt the application's visual theme based on the time of day.

Personal Portfolio Website | Demo: sc-portfolio-flame.vercel.app

- Developed a dynamic and responsive portfolio website using React and Tailwind CSS showcasing my projects and experience.

Experience

Graduate DevOps Engineer | Auckland Transport

[Apr 2023– Aug 2023]

- Developed a Python script to generate standardised report templates by auto inserting images given date and file name, reducing the process from 5 minutes to 5 seconds.
- Developed Terraform configurations to automate the creation and configuration of virtual machines in Azure infrastructure.

Graduate Project Engineer | Auckland Transport

[Jan 2022 – Apr 2023]

- Managed end-to-end project lifecycles, including two major projects exceeding one million in value, ensuring adherence to timelines and budget constraints while prioritising safety.
- Conducted MSQA and produced audit reports during and post-construction.
- Mentored a recent graduate engineer by providing guidance on project management techniques, offering regular feedback, and supporting professional development, resulting in improved project delivery and enhanced technical skills.

Education

University of Auckland || Auckland, NZ

[2017, 2019 – 2021]

Bachelor of Engineering (Honours) - Civil and Environmental Engineering

Volunteering

ESA President - Led a team of 16 to organize and manage a diverse range of activities and events for a club with over 1,000 members, ensuring smooth coordination and high member engagement.