

Sergey Antonets

021 026 68366 | antonets.sergey@gmail.com | linkedin.com/in/sergey-antonets

Summary

I am in my final year of software engineering at the University of Canterbury. I am looking for an opportunity to gain experience and develop my professional skills as a software engineer. I have experience working in an Agile environment using languages like Java, Python and C, and technologies like React, Angular, and Spring.

Experience

Kiwa Digital | Summer Intern / Junior Software Developer

Nov 2024 - Current

Angular, SpringBoot, MYSQL, Git, AWS

Developed multiple modules for an AI-powered SaaS platform that empowers Indigenous Peoples to digitize, preserve, and interact with language and cultural assets. The application enables users to securely upload files, engage with them through AI, narrate documents, manage projects, teams, and contacts, and create a member database for iwi via registration forms.

- Collaborated with a cross-functional team to plan, design, and implement new features.
- Implemented an in-browser audio narration module using Web Audio API and MediaRecorder, with real-time visualization and MP3 conversion for secure upload.
- Built project and team management features, including secure file upload and access control.
- Contributed to user registration and membership database modules.
- Collaborated closely with an external partner to design and implement an API enabling seamless integration of uploaded and recorded files with the AI module.

Projects

Full Stack Java Application – Barrow Buddy

SpringBoot, Thymeleaf, MariaDB, Leaflet, Git

Developed a Spring application designed to connect gardeners globally. Users can register, personalize profiles, showcase and manage gardens, track garden history, and explore others' gardens. A built-in marketplace enables plant trading, listings management, messaging, and trader reviews.

- Applied an Agile development process to collaborate and manage project goals in a team of eight.
- Integrated location and weather APIs which remind the user to water their gardens based on the weather.
- Integrated a content filter preventing users from using foul language and hate speech using Microsoft Azure Content Moderation.
- Developed and maintained the CI/CD pipeline using GitLab for continuous builds.
- Developed a variety of tests such as unit, integration, cucumber and end-to-end to ensure the quality and correctness of the application.
- Developed secure login and authentication features using Spring.

Rust P2P File Swapping Application

Rust, lib2p2, Git

Developed a secure peer-to-peer file swapping CLI application enabling users to discover peers, chat globally, establish private connections, and exchange files with end-to-end encryption.

- Designed and implemented a decentralized architecture using libp2p for peer discovery, messaging, and file transfer without a central server.
- Built a custom rendezvous server for peer registration and discovery, supporting multi-device and multi-network scenarios.
- Implemented secure file barter and direct messaging with encrypted file exchange using Age cryptography.
- Utilized async programming with Tokio for efficient, concurrent networking and file operations.

Education

University of Canterbury

2025

Bachelor of Engineering with Honours, majoring in Software Engineering

Skills

Python | Java | C | TypeScript | Rust | Agile | React | Angular | SpringBoot | NodeJS | Git | AWS | SQL