

Alexander Switzer

Hamilton

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Salary Range: 65k+

Ideal role title: Software Engineer

Ideal city or town: Hamilton

PERSONAL STATEMENT

Alex is a highly motivated and dedicated Software Engineer with one year of professional experience in the field. With a strong educational background, including a Bachelor of Applied Information Technology from Wintec, Alex brings proficiency in C#, Python and TypeScript. He also has a keen eye for detail and a systematic approach to coding that would enhance any software team. His commitment to excellence, adaptability, and passion for staying up-to-date with industry trends make him a valuable asset ready to contribute effectively to innovative software projects.

TECHNICAL SKILLS

- C#
- Dotnet
- AspCore
- Swagger
- TypeScript / JavaScript
- React
- Next js
- Python
- PHP

PERSONAL SKILLS (Soft Skills)

- Time management
 - Independent work
 - Strong verbal communications skills
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Qualifications & Certifications

- Wintec - Bachelor of Applied Information Technology (2019-2021)

WORK HISTORY

Junior Software Engineer - Gallagher - Jul 2022 - Present (1 Year 3 Months+)

The main project I am working on is SPOT. This is an online training platform to let end-users learn about Gallagher products and get certified.

As the only active member of the development team, I manage all aspects of design and implementation. For example, I am implementing the front-end using React, using TypeScript for type safety and to enhance

code quality. I am utilising Single SPA to enable modular development and improve maintainability. I am integrating the front-end with back-end APIs developed in C# and leveraging Azure Event Hubs for efficient event processing. I have employed MongoDB as the database system and GitLab for version control. I collaborated to design the new system with legacy systems in mind, ensuring compatibility and seamless integration.

- **Achievements**

- Design and implement a modular SPA app.
- Implement a microservice-based workflow for marking.
- Use event buses to enable small blast radius changes to business flow.
- Help with the move from AWS to Azure.
- Build an automated email system for AWS billing management.

- **Tools**

- Visual Studio (C#)
- VS Code (Typescript)
- React
- MongoDB
- Single SPA
- Azure Event Hubs
- GitLab
- GitHub

Test Analyst - Gallagher - Nov 2021 - Jul 2022 (1 Year 3 Months)

Handpicked by my tutors, I began interning at Gallagher through Wintec's student placement program. After six months I was employed full time as a Test Analyst. I quickly picked up the needed skills and techniques. About 8 months into the role the other tester in the squad left for a two-month holiday in India. I stepped up and had sole responsibility for filling all the testing needs of the squad. My day-to-day work in this role was testing SAP commerce. New features would be added each sprint and I would do all the testing to check that the requirements were met.

- **Achievements**

- Test management.
- Work independently.
- Understand common error patterns.
- Make test cases.

- **Tools**

- Ranorex
- Excel
- Jira
- Commerce
- Key cloak
- Sitecore

Peer Tutor - Wintec - Oct 2020 - Nov 2021 (1 Year 2 Months)

I was selected as a peer tutor in 2020 to help students who were struggling. To be effective I worked on three areas of professional development: a deep understanding of the course content, excellent communication skills, and superb time management.

- **Achievements**

- Teaching students.
- Time management.

Manual Labourer - Fleet Image - Jul 2018 - Jul 2018 (1 Month)

Fleet Image does corporate bus livery. My job was paint preparation for buses. This included: removing stickers from the side of the bus using a heat gun and sanding the panel-work ready for painting. The sanding used power tools. Just before painting, I would help spray down the bus with compressed air to remove dust. Any dust left on the bus it would show through the paint job, so it was important to clean the surface thoroughly.

- **Achievements**

- Time management.
- Work ethic.

INTERESTS OUTSIDE OF WORK

- Movies.
- Video Games.
- Brewing Cider.

REFEREES

Toni Smith
Technical Delivery Manager
Gallagher
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Dr. Diab Abuaiadah
Principle Staff Member
Wintec
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Qualifications

Please see attached.