Resume – Christopher Sy Alba

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Portfolio of Projects: https://christopher-alba.com
GitHub: https://github.com/christopher-alba?tab=repositories

Career Objective

Hello! I'm a software engineer at Turners Automotive Group Digital with a preference towards frontend / full stack / backend, listed in order of preference. I get a sense of satisfaction building meaningful and useful software for others to use to make their lives easier. I also love the creativity involved in problem solving in software development.

I have an interest towards providing a positive user experience for software application users and is why I have a strong preference towards frontend development. However, I am interested in full stack or backend roles too as creativity can be applied to all kinds of problems.

Key Skills Summary *(Listed in order of skill level)*

Teamwork
I have worked in numerous engineering/development teams; my team at TAG Digital, teams in the University of Auckland, web-dev bootcamp at Enspiral Dev Academy, and paid internships at Jasper and Henry Schein One. From experience, I understand to work successfully in a team requires many individual qualities such as open communication, honesty, no-politics, respect, and promoting creativity. In both my internships I worked in an Agile/Scrum environment.

Learning new technologies and skills
At TAG Digital, I'm always investigating new technologies upon request to increase the number of unique skillsets the TAG Digital team has. In university I learn new technologies and skills daily, whether I'm learning new software languages like Java, Python, or Matlab, or learning how to design the high-level architecture of a software system. Outside of university, I learn web application development mainly in Javascript, but recently gained an interest in C# .NET development. I also learned new technologies and skills in my software development internships at Jasper and Henry Schein One, such as presenting to a mixed audience, working in a team, writing unit and integration tests, breaking down large tasks, and more. Being able to learn new technologies and skills have allowed me to succeed not only in the academic setting, but also in the practical work setting.

Fast learner
In my internship at Henry Schein One, I learned .NET development from scratch and was able to be productive in under 2 weeks. In under 2 weeks I was able to merge in a new feature and present it to a mixed audience at the fortnightly sprint review by quickly learning C# and Henry Schein One's used frameworks and codebase. Being able to learn quickly here resulted in a successful internship as I was able to produce plenty of great work right from the start.

Self-development
Before I had any work experience, I heavily invested time in learning web development by learning courses on Udemy and enrolling in a 15-week web development bootcamp at Enspiral Dev Academy. Now, I always have a personal project I can work on to help develop my skills further. In both my internships, if needed I asked for feedback on where I could improve to become a better software developer as self-development is an important skill in reaching my long-term goals. Working as an intern is part of growing my skills and knowledge in software.

Problem Solving
Being able to solve problems, whether they are design problems or trying to debug software is one of my key skills. During both my internships at Jasper and Henry Schein One, I was able to use my problem-solving skills to design the high-level architecture of web applications in the frontend and backend. In addition, whenever I encounter a bug, I can solve it either by stepping through the code logically, using the IDE's debugger, searching google, or asking for help.

Breaking down large tasks
In both my internships at Jasper and Henry Schein One, I was given large features to build. Being able to break these large features down into smaller subtasks helped me in managing my workload because I know which areas have higher priority than others and so I know what to focus on first.

Paid Experience Summary
Turners Automotive Group Digital | Graduate Software Engineer *(Full stack)*
June 2022 to Present

Henry Schein One | *Software Developer Intern (Full stack)*
November 2021 to February 2022

Jasper | *Software Engineer Intern (Frontend)*
December 2020 to February 2021

Education

Enspiral Dev Academy (Newmarket)
Graduated May 2020 in Kahikatea cohort
Software Development Bootcamp
Learn More: https://devacademy.co.nz/

The University of Auckland
Course: Computer Systems Engineering (Honours)
Status: Completed in 2022

High School: Sancta Maria College (NZ)
NCEA Level 3 Achieved with Excellence
NCEA Level 2 Achieved with Excellence
NCEA Level 1 Achieved with Excellence

Detailed Paid Experience
Turners Automotive Group Digital | Graduate Software Engineer *(Full stack)*
June 2022 to Present
- Wrote integration end-to-end tests using Playwright, Cucumber, and Java
- Wrote component tests in Cypress for a Vue project
- Investigated Cypress documentation and implementation to add a unique skillset to TAG Digital
- Investigated Storybook documentation and implementation to add a unique skillset to TAG Digital
- Shared my knowledge and expertise with specific technologies with other members of the team
- Performed code reviews and made pull requests on Bit Bucket.

Henry Schein One | *Software Developer Intern (Full stack)*
November 2021 to February 2022
- Designed UX and UI for web applications
- Implemented UX and UI in Blazor C# web applications
- Implemented the backend in C# web applications
- Wrote unit tests for the backend in C# web applications
- Shared knowledge amongst team members
- Pair programmed with senior developers
- Worked in an agile environment
- Presented my work to a mixed audience (technical & non-technical)
- Used Microsoft Azure instead of Github for source control

Jasper | *Software Engineer Intern (Frontend)*
December 2020 to February 2021
- Implemented UX and UI in React applications
- Wrote automated tests using Jest and Cypress, with React Testing Library
- Communicated with GraphQL APIs through Apollo
- Implemented a polished user interface
- Considered best practice methodology, performance, and accessibility
- Shared knowledge amongst team members
- Wrote documentation on [Notion](#), [Linear](#) and [GitHub](#)
- Planned out tasks and stories on Linear
- Performed maintenance on existing code base
- Worked in an Agile environment
- Reviewed pull request from other frontend developers
- Pair programmed with my mentor
- Used Github for source control

Technical Skills

Javascript
Main frameworks used:

- React
- Redux
- Node.js + Express
- GraphQL + Apollo (Client and Server)

I first learned Javascript by watching lectures and building projects from Udemy. I then enrolled in a web development bootcamp at Enspiral Dev Academy. I further honed my skills in Javascript at my internship at Jasper where I worked in a codebase in React.js with a small team of developers. I have numerous personal projects where I have used Javascript and related frameworks that is featured here:
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- **GitHub:** https://github.com/christopher-alba?tab=repositories

C#
Main frameworks used:

- Blazor
- .NET

I first learned C# by watching lectures and building a small console application from Udemy. I then really began learning C# in my internship at Henry Schein One, where I worked in a .NET C# codebase for a web application. They used Blazor (C#) in the frontend and C# in the backend. I managed to learn C# and related frameworks essentially from scratch by reading documentation and through some guidance from mentors.

Other tools that I have used: Git, Github, AdobeXD, Figma, Photoshop.

Other languages that I have used: Java, Python, C, C++, R, Matlab

Project Experience

Exact Modules Registration Page | Henry Schein One (internship) | December 2021
This project at my internship required me to design and build a user interface (frontend) and
communicate with the backend of onsite installations of Exact software in dental practices by writing
some by code in the backend. This was a medium sized project and took approximately 3 weeks to
complete and required close teamwork with the product owner and senior developers. As a result of
this project, the support staff at Henry Schein One could easily register/unregister Exact and its
related modules for specific practices with the click of a button, instead of the previous way that
took around 20 minutes.

Key Tools: C#, .NET, Blazor, Git, Microsoft Azure, AdobeXD
Key Skills: problem solving, coding, teamwork, project management, design

Pennywise (Financial Manager) | Enspiral Dev Academy (bootcamp) | May 2020
This project required me to build part of the frontend of a web application that helped users to
manager their finances. I worked together with 5 other developers and completed the project in
approximately 2 weeks. I was mainly responsible for designing and building the goals management
page and the homepage. We successfully completed the project within the 2-week deadline and
presented in front of a technical and non-technical audience for our graduation.

Key Tools: Javascript, React, Redux
Key Skills: problem solving, coding, teamwork, project management, design

References

Brenden Bisset
Henry Schein One
Professional Reference
Engineering Manager of Mongoose team
Mobile: +64 0210534470
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Brenden was my manager in my internship at Henry Schein One.

Andrew Carrell
Simply Wall St.
Professional Reference
Frontend Developer
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Andy was my mentor at Jasper and worked there as a lead frontend developer before he changed
companies to Simply Wall St.

Joseph Quested
Enspiral Dev Academy
Academic/Professional Reference
Teaching Assistant and Foundations Facilitator, self employed game developer
Mobile: 0226166066
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Joseph was my foundations facilitator during the bootcamp at Enspiral Dev Academy and was the
one giving a testimony of my work during my online graduation from the bootcamp.