

COLTON RANDALL

ASSOCIATE SOFTWARE ENGINEER

CONTACT

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Auckland, New Zealand

SKILLS

C# / .Net Typescript
React Javascript
AWS Java
Git & GitHub

EDUCATION

Master of Information Technology (MInfoTech) -
Half completed

University of Auckland

Jun 2021 - Nov 2021

- Cloud Computing Architecture in AWS (Achieved AWS Cloud Practitioner certification)
- Creating Maintainable Software in Java.
- Healthcare Decision Support Systems (Health Informatics).
- System Dynamics and Complex Modelling.

Postgraduate Certificate in IT (PGCertInfoTech)

University of Auckland

Mar 2021 - Jun 2021

- Web Development Technologies (*Certificate of Outstanding Achievement*).
- Programming for Industry in Java (*Certificate of Outstanding Achievement*).

BSc Biochemistry

University of Otago

Feb 2015 - Dec 2018

PROFILE

I am a positive, approachable and enthusiastic Software Engineer who has been at Xero for just over two years. I enjoy blending creativity, efficient code use and customer empathy to solve complex technical problems with my team.

WORK EXPERIENCE

Associate Engineer

Xero

Auckland
Feb 2023 - Present

- Permanently placed in a full-stack team working on three products within the Practice Onboarding space.
- Good exposure to C#, Typescript, React, AWS and more recently Terraform.
- Gained experience communicating with stakeholders and liaising with external teams.
- Experience being on-call, handling incidents and alerts both within and outside work hours.

Graduate Engineer

Xero

Auckland
Feb 2022 - Feb 2023

- Rotated through four teams at Xero working on varying products, acquiring a broad array of knowledge, skills and working styles between teams.
- Refined C# skills from internship
- Began learning the basics of React & Typescript and the basics of testing in Jest/Cypress.

Software Engineer Intern

Xero

Auckland
Nov 2021 - Feb 2022

- Began implementing knowledge gained during my postgraduate IT studies in a practical, commercial setting.
- Learned the basics of C#, Docker, Kubernetes, AWS (DynamoDB, EC2, SQS, Lambdas)
- Experience in software tools such as Miro, Jira, Confluence, SQL Server etc.
- Honed skills in version control (Git & GitHub) from previously acquired certifications.
- Participated in Xero's hackathon with my internship cohort.

Bioinformatics Research Assistant

University of Auckland

Auckland
Jul 2020 - Mar 2021

Helped two PhD students with their research projects using knowledge in Biochemistry and self-taught programming.

- Project 1:** Used Python for Metagenomics and genome assembly/recovery to improve Aquiluna quality.
- Project 2:** Performing molecular dynamic simulations of antimicrobial peptides using GROMACS software.

Metagenomics Research Assistant

Landcare Research (Manaaki Whenua)

Auckland
Jul 2020 - Mar 2021

- FASTQC and SPAdes assembly scaffolds.
- Mitochondrial genome assembly and comparative genomics of stick insects.

COURSES & CERTIFICATIONS

Certified Cloud Practitioner

AWS

Sep 2021

Practice Java by Building Projects

Udemy

Jan 2021

Java Fundamentals

CodeCademy

Dec 2020

Python 3

SoloLearn

Dec 2020

Programming Fundamentals in Python 3

Coursera

Nov 2020

GitHub Ultimate: Master Git and GitHub

Udemy

Sep 2020

HTML, SQL & Javascript Fundamentals (Separate courses)

SoloLearn

May 2020

VOLUNTEER EXPERIENCE

Volunteer Teacher

Elite Visionary High School

Kibera Slums - Nairobi, Kenya

Jun 2016 - Jul 2016

Designed and presented Math and lessons to students at Elite Visionary High School.

Health Administrative Assistant

Kibera Community Health Centre

Kibera Slums - Nairobi, Kenya

Jun 2016 - Jul 2016

Helped sick patients gain access to medicine and treatment.

Volunteer Tutor / Caregiver

Kibera Community Health Centre

Kigali, Rwanda

Mar 2013 - Apr 2013

- Taught English to orphaned children and teens.
- Looked after kindergarten children at a local slum in Kacyiru.