COLTON RANDALL

SOFTWARE ENGINEER

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📍 Auckland, New Zealand

SKILLS

Languages / Frameworks:
- C#, .NET, Java 8/17, Spring Boot
- React, TypeScript, JavaScript, CSS

Cloud & Infrastructure:
- AWS (EC2, S3, SQS, Lambda)
- Docker, Kubernetes

Architecture / Development:
- Microservices, REST APIs, System design

Monitoring:
- New Relic, Sumo Logic, Splunk

DevOps / CI/CD:
- Jenkins, TeamCity, Octopus, Spinnaker, Pipeline scripting (Kotlin & YAML), SonarQube

Testing:
- Unit & integration testing: JUnit, TestNG, Spring Test, NUnit, Mockito
- Frontend & E2E: Jest, Cypress, Puppeteer

Databases:
- Oracle, MySQL, DynamoDB

EDUCATION

Jun 2021 - Nov 2021

Master of IT - MInfoTech
(Half completed)

University of Auckland
- Cloud Computing Architecture in AWS - **AWS Cloud Practitioner certification.**
- Creating Maintainable Software in Java.
- Health Informatics.
- System Dynamics and Complex Modelling.

Mar 2021 - Jun 2021

Postgraduate Certificate in IT
University of Auckland
- **Certificate of Outstanding Achievement**
  - Web Development Technologies.
  - Programming for Industry in Java.

Feb 2015 - Dec 2018

BSc Biochemistry
University of Otago
- Bioinformatics - Using R programming in Oncological context.

Software engineer with 4 years' proven full-stack experience in fast-paced product teams, and backend experience in large-scale enterprise systems. Experienced in modernising legacy codebases, delivering scalable cloud-native applications, and improving test coverage and reliability. Recognised for driving CI/CD automation, mentoring junior engineers, and leading technical improvements that enhance both developer productivity and customer outcomes.

WORK EXPERIENCE

Software Engineer
Westpac New Zealand
Auckland, New Zealand
Apr 2025 - Present
- Built and improved unified banking backend systems with Java and Spring Boot, enhancing scalability and reliability.
- Delivered REST APIs for transaction enrichment and document download features, completing key epics end-to-end.
- Mentored junior engineers and helped peers resolve technical blockers, boosting team productivity.
- Collaborated with Solutions Architects on International Money Transfers and alerting designs, creating robust, maintainable systems.
- Raised unit test coverage from 70% to 80%, improving code reliability and long-term maintainability.

Full-Stack Software Engineer
Xero
Auckland, New Zealand
Nov 2021 - Apr 2025

Intermediate Engineer — Jul 2024 - Apr 2025
- Refactored, and modernised legacy Razor codebases, improving modularity, test coverage, and maintainability.
- Built and improved CI/CD pipelines, making deployments faster and more reliable.
- Developed cloud-native AWS applications, supporting scalability.
- Increased automated test coverage by 40%.
- Enhanced monitoring and diagnostics, helping the team mitigate, detect and resolve issues sooner.

Associate Engineer — Feb 2023 - Jul 2024
- Enhanced six full-stack conversion tools in Practice Onboarding, streamlining customer migration into Xero.
- Designed RESTful APIs and implemented serverless AWS solutions, improving scalability and reliability.
- Mentored a graduate engineer, supporting onboarding and technical growth.
- Partnered with stakeholders to resolve incidents and deliver customer-focused solutions.
- Won Xero's internal hackathon by adding an export feature to the Chart of Accounts library, later adopted into the product.

Graduate Engineer — Feb 2022 - Feb 2023
- Delivered full-stack features across multiple teams, gaining exposure to frontend and backend development.
- Strengthened technical foundation in automated testing and backend development.
- Applied TDD, clean code, and Agile practices through pair programming and code reviews.

Intern Engineer — Nov 2021 - Feb 2022
- Increased efficiency and fault-tolerance of provisioning product by parallelising API calls.
- Enhanced performance tracking of monitoring dashboards and adding improvements.
- Migrated FeatureFlag functionality to a new service, enhancing maintainability and reducing coupling.
- Delivered features using C#, MySQL, and AWS; gained exposure to Docker, Kubernetes, and Agile workflows.

Bioinformatics Research Assistant
Landcare Research | University of Auckland
Auckland, New Zealand
Jul 2020 - Mar 2021
- Applied Python and computational analysis to assist PhD research, including genome assembly, molecular simulations, and data quality improvement.

Ongoing

Personal Website
React, CSS (MUI), HTML
May 2021 - Ongoing

Full Stack Notes App
React, Java, Spring Boot
July 2025 - Ongoing

AI Code Explainer
Next.js, TypeScript
July 2025 - August 2025

2025

Employee REST API
Java, Spring Boot
June 2025

TicTacToe
C#
May 2025

To-do App
React
April 2025

Weather Info App
Java, Spring Boot, System Design
March 2025

2023

Rock, Paper, Scissors
JavaScript
October 2023

2022

Console RPG
C#
October 2022

2021

Kalah / Mancala
Java
September 2021

Bulls & Cows
Java
April 2021

Certified Cloud Practitioner
AWS
Sep 2021

Practice Java by Building Projects
Udemy
Jan 2021

Java Fundamentals
CodeCademy
Dec 2020

Python 3
SoloLearn
Dec 2020

Python 3 Programming Fundamentals
Coursera
Nov 2020

GitHub Ultimate: Master Git and GitHub
Udemy
Sep 2020

HTML, SQL & Javascript Fundamentals
SoloLearn
May 2020

VOLUNTEER EXPERIENCE

Conservation Volunteer
Motuihe Restoration Project

Auckland, New Zealand
Feb 2022 - Feb 2025

- Each year, I would do a full day of restoration work on Motuihe Island, through Xero's volunteer programme.
- Weeding and/or planting new trees.

Volunteer Teacher
Elite Visionary High School

Kibera Slums - Nairobi, Kenya
Jun 2016 - Jul 2016

- Designed and presented Math and Physics lessons to students at Elite Visionary High School, located in Kibera, Nairobi's largest slum.

Health Administrative Assistant
Kibera Community Health Centre

Kibera Slums - Nairobi, Kenya
Jun 2016 - Jul 2016

- Helped Doctors administer medicine and treatment to sick patients in Kibera.

Volunteer Tutor / Caregiver
Home of Hope

Kigali, Rwanda
Mar 2013 - Apr 2013

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