

# Carson Bruce

## Senior Software Engineer

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### INTRODUCTION

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I am a seasoned software engineer with more than 13 years of experience. Throughout my career, I have successfully navigated the entire software development lifecycle, from concept to deployment. My diverse experience has equipped me with valuable problem-solving skills and a passion for continuous learning and collaboration with teams large and small. Known for my open-minded approaches, attentive listening, and promoting strong teamwork, I am committed to driving innovation and exceeding expectations in every role I undertake.

### EXPERIENCE

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#### STAY22 TECHNOLOGIES INC

Sept 2024 - Present

##### Senior Full Stack Developer

- Led delivery of a new design system and front-end architecture serving 2,000+ daily users.
- Mentored junior developers, accelerating growth in both technical and soft skills.
- Built internal tooling, saving up to 12 developer hours per month.
- Promoted best practices and set technical direction through presentations and design documentation.
- Drove cultural shift to test automation, accelerating delivery from weekly to continuous across two projects.
- Integrated AI tools into developer workflows, boosting code quality and team productivity.

#### THE BLACK BELTS

Apr 2024 - Sept 2024

##### Senior Software Engineer

- Led API and microservice design to enable customer adoption of new Open Banking standards.
- Led backend development for 3 of NZ's top 5 banks, driving multi-million revenue and serving 1M+ users.
- Shared technical knowledge with the product team through presentations, code reviews, and documentation.
- Subject matter expert in Open Banking, influencing standards through monthly committee feedback.
- Worked directly with customers listening to feedback and designing proposals for new features.

#### FORSYTH BARR

Dec 2022 - Feb 2024

##### Senior Software Engineer

- Led backend development of AWS serverless APIs (Python/TypeScript) managing \$1M+ in customer funds.
- Core contributor of Javascript, Typescript and Python SDKs development and releases.
- Responsible for design and development of Identity and Access Control systems using AWS products including IAM, Lambda, DynamoDB, AppSync.
- Trusted as part of the hiring team, running technical interviews with candidates and hiring 5 new members.
- Created internal tooling used across the company to support common queries and reports.

#### TROVE NZ

Feb 2022 - Nov 2022

##### Senior Full Stack Developer

- Championed a load testing framework improving confidence of the leadership team to launch the product.
- Became proficient in Python within 3 months, contributing to code reviews and feature design.
- Built shared libraries and release strategies, enabling 4 internal web applications.
- Collaborated with the data team to deliver improvements to reliability of data and performance of the pipeline.
- Saved \$10,000+ monthly hosting costs through service refactoring and consolidation.

#### MIDDLEWARE NZ

Mar 2019 - Feb 2022

##### Senior Developer

- Developed, tested, and deployed critical apps for banking, COVID ID, and healthcare serving 1M+ users.
- Encouraged a culture of test automation by implementing and socializing testing frameworks across teams.
- Proved reliability by managing 6+ client projects concurrently.
- Received 4 promotions over a short period proving myself as a valued and trusted team member.
- Researched and implemented complex standards including OAuth, OIDC, FHIR, 3-D Secure, Open Banking.

#### PROPERLY INC

Nov 2017 - Mar 2019

##### Full Stack Developer

- Front-end technical lead managing 2 engineers and a web app with 1,000+ daily active users.
- Embedded test automation practices, reducing production monitoring issues.

- Enhanced developer experience with branch-based deployments and environment configs.
- Supported \$12M Series A by providing user metrics for due diligence.
- Facilitated alignment between front-end, design, research, content, and product teams.
- Decoupled front-end API deployment, boosting performance, stability, and user experience.

## SOLNET SOLUTIONS

Aug 2012 - Nov 2017

### Software Engineer

- Delivered 30+ client projects across diverse domains and tech stacks, driving \$5M+ in revenue.
- Led on-time, on-budget solution still in use after 10 years and reused in two later projects.
- Supported 60+ developers and testers by improving CI pipelines and shared libraries.
- Provided training and mentorship in front-end skills through presentations, code reviews, and team embedding.

## PROJECTS

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### HUB

#### Stay22

Stay22's partner-facing platform, delivering insights and trend-driven recommendations to drive growth.

### OPEN BANKING PLATFORM

#### Glueware

An accelerator to simplify a bank's journey to production-ready Open Banking, providing secure, ready-to-use, standards compliant APIs.

### FINTECH PLATFORM

#### Forsyth Barr

A platform to power the first guided investment app in NZ. This platform fortified Forsyth Barr's technology capabilities by supporting multiple products.

## EDUCATION

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### VICTORIA UNIVERSITY OF WELLINGTON

Bachelor of Engineering with First Class Honors, Majoring in Software Engineering.

## REFERENCES

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Contact details will be provided on request.

- **SASHA** - Head of Engineering at Stay22
- **SWITHIN** - Head of Integration at Middleware NZ
- **JARED** - Head of Engineering at Forsyth Barr
- **JAMES** - Financial Engineering Team Lead at Trove
- **NAMI** - Principle Engineer at Solnet
- **RAFAEL** - CTO of Properly

## SKILLS

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- **Languages & Frameworks:** Javascript, Typescript, Python, C#, Java, GraphQL, OAuth, OIDC, Express, .NET, NextJS, React, Angular, Vue, K6, RxJS
- **DevOps:** Docker, Kubernetes, Terraform, Helm, Google Cloudbuild, NPM, GitHub Actions, Jenkins
- **Cloud:** AWS (Lambda, DynamoDB, Route 53, S3, Event Bridge, IAM, Appsync, SQS, SES, CloudFront), Google Cloud Platform (Functions, Kubernetes Engine, App Engine, CloudBuild), Azure (AD B2C).
- **Databases:** MongoDB, DynamoDB, Redis, PostgreSQL, Elasticsearch, Kibana, Snowflake
- **Software Development:** Agile Methodologies, Continuous Integration, RESTful API Design, Test-Driven Development, Microservices Architecture, Serverless Architecture, Event Driven Architecture, In Office / Hybrid / Remote Working