Carson Bruce
Senior Software Engineer

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INTRODUCTION

I am a seasoned software engineer with more than 12 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

GLUEWARE   **Jan 2024 - Present**
Senior Backend Developer
- Lead design and implementation of API and microservices with new features enabling customers to align to new Open Banking standards.
- Responsible for all aspects of product back end development and delivery to 3 of the major 5 NZ banks worth several million in revenue and used by 1,000,000+ users.
- Shared technical knowledge with the product team through presentations, code reviews, and documentation.
- Became a matter expert in Open Banking standards, providing feedback to monthly committee meetings resulting in multiple revisions to the standards.
- Worked directly with customers listening to feedback and designing proposals for new features.

FORSYTH BARR   **Nov 2022 - Dec 2023**
Senior Software Engineer
- Managed all aspects of back-end development, including Python and Typescript serverless API with AWS, of systems controlling over $1,000,000+ of 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   **Feb 2022 - Nov 2022**
Senior Full Stack Developer
- Championed a load testing framework improving confidence of the leadership team to launch the product.
- Rapidly up-skilled in Python development, becoming proficient in 3 months, providing feedback on pull requests and new feature design and implementation.
- Delivered a framework for internal web applications by creating shared libraries and release strategies, supporting 4 internal web applications.
- Collaborated with the data team to deliver improvements to reliability of data and performance of the pipeline.
- Reduced cloud costs by refactoring and eliminating redundant services resulting in $10,000+ of savings.

MIDDLEWARE NZ   **Mar 2019 - Jan 2022**
Senior Developer
- Responsible for development, testing and deployment of critical software applications including bank payments, COVID identification, and healthcare used by 1,000,000+ users combined.
- Encouraged a culture of test automation by implementing and socializing testing frameworks across teams.
- Proved my reliability, managing time and client meetings across 6+ projects at any given time.
- 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
- Technical lead for the front end product development, responsible for 3 team members and a web app with 1,000+ active users.
- Embedded test automation to improve web application and reduce production monitoring issues.
- Improved DX for the UI team with branch based deployments and environment configurations.

- Contributed to the team's $12 million A-series funding round, providing user metrics to support due process.
- Point of contact facilitating front end teams alignment with design, research, content and product teams.
- Highlighted major system improvement by decoupling front end API deployment and significantly improving response times and service stability resulting in improved user experience.

SOLNET SOLUTIONS   **Aug 2012 - Nov 2017**
Software Engineer
- Worked on dozens of projects across dozens of clients, adapting to different domains, technology and teams and responsible for $5,000,000+ in revenue.
- Lead implementation of a solution delivered on time and budget reused by 2 later projects and still active after nearly 10 years.
- Relied on by a team of 60+ developers and testers, improving developer experience and software quality with Continuous Integration and shared libraries.
- Provided internal and external training of front-end skills by presentations, mentoring, and code reviews while embedded in teams.

PROJECTS

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

VICTORIA UNIVERSITY OF WELLINGTON
Bachelor of Engineering with First Class Honors, Majoring in Software Engineering.

REFERENCES

Contact details will be provided on request.

- **SWITHIN** - Leadership team at Middleware NZ
- **JARED** - Head of Engineering at Forsyth Barr
- **JAMES** - Financial Engineering Team Lead at Trove
- **NAMI** - Staff Engineer at Solnet
- **RAFAEL** - CTO of Properly
- **HYOJIN** - Software Engineer at Properly

SKILLS

- **Languages & Frameworks:** Javascript, Typescript, Python, C#, Java, GraphQL, OAuth, OIDC, Express, .NET, Spring, 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
- **Software Development:** Agile Methodologies, Continuous Integration, RESTful API Design, Test-Driven Development, Microservices Architecture, Serverless Architecture, Event Driven Architecture, In Office / Hybrid / Remote Working