# Jason Russell

Senior Full-Stack Engineer

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I'm a friendly, curious, hard working and determined full-stack engineer who loves making things that people love.

## Experience

**Co-founder & CTO** @ FinWise (finwiseapp.io)                                           Mar 2023 - Mar 2025
Built a personal finance management tool to help people save and manage their money better.

**Senior Software Engineer & Consulting CTO** @ remotely for US-based clients            Dec 2021 - Mar 2025
Among many other projects, I built a system that used AI to parse thousands of Covid related
mandates, laws and restrictions in the US which helped businesses file specialized tax filings to
recoup losses caused by government response to the Covid pandemic.

**Engineering Manager** @ Root (rootplatform.com)                                        June 2021 - Dec 2021
Managed a team of 6 software engineers and a designer building APIs and dashboards used by
large banks, insurers and other financial institutions to sell and manage millions of insurance
policies.

**Senior Full-Stack Software Engineer** @ Root (rootplatform.com)                        Aug 2019 - May 2021
Architected and built software to handle the sale and management of insurance policies for
millions of policyholders using APIs at large scale and partnering with large, regulated financial
institutions.

**Senior Full-Stack Software Engineer** @ Aruba Networks (HPE)                           Jan 2019 - Aug 2019
Built systems and dashboards (Aruba UXI) to monitor the performance and uptime of enterprise
networks and enabled network technicians to quickly identify and resolve network issues. Built
systems that ingested tens of thousands of requests per minute.

**Junior Full-Stack Software Engineer & Technology Officer** @ WeFix (wefix.co.za)       Jan 2016 - July 2018
Helped build a custom ERP system to help weFix stores repair cellphones and other tech devices.
Later I became a "technology officer" and helped various teams and departments within the
company improve their productivity and efficiency using technology.

## Education

**BSc Honors Engineering, Geomatics** @ University of Cape Town (UCT)                     2012 - 2015
Subjects include Mathematics (Calculus), Computer Science, Statistics.

## Projects

**OpenWrt Configurator** (github.com/jasrusable/openwrt-configurator)
Built a CLI tool that provisions network configuration to OpenWrt routers, access points & switches with a goal of
extending this to be a web dashboard for configuration management & network monitoring.

**ConveyorMQ** (https://github.com/conveyor-mq/conveyor-mq)
Built a highly efficient and performant distributed task queue for Node.js based on Redis.

## Skills

**Languages:** TypeScript, JavaScript, Python, Clojure, SQL, HTML, CSS, Bash, C/C++

**Frameworks & Libraries:** ExpressJS, NodeJS, React, React Native, Angular, Playwright, Jest, FastAPI, Flask,
Django, Celery, Pytorch, Tensorflow, HuggingFace, GraphQL, NextJS, Redux, Apollo

**Tools & Services:** Postgres, AWS, GCP, Heroku, Redis, RabbitMQ, Docker, K8S, BigQuery, Snowflake, Kafka,
MongoDB, Figma, Terraform, Pulumi, Ansible, OpenAI

**Other (Tech):** Rest APIs, CI/CD, distributed systems, AI & ML, Linux, networking, architecture, system design

**Other (Soft):** Leadership, management, collaboration, effective & efficient communication, self-managing