

Jaco van Stryp

Full Stack Software Engineer

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PROFILE

I build the software that builds rockets. At Rocket Lab, I work on the manufacturing execution system that production teams use every day to assemble Electron and Neutron rockets. Before that, I spent four years at Sybrin where I built Vitals on my own, an automated recovery system that now keeps 30+ banks running across 14 African countries without anyone having to touch it. I ended up leading a dev team there and picked up Best Innovator and Best Team Leader along the way. I've been writing production software for 7+ years now, mostly in Angular and C#/.NET, and I do my best work in places where the software really matters.

EXPERIENCE

Software Engineer II

Jan 2025 - Present

Rocket Lab | Auckland, New Zealand

- Building and maintaining the MES (Manufacturing Execution System) that Rocket Lab production teams use daily to assemble Electron and Neutron rockets
- Involved in architecture decisions, daily code reviews, writing user stories, and running sprint planning
- Built an AI-powered tool that listens to team meetings and automatically generates recommended Jira tickets, reducing manual planning overhead
- Part of the hiring process for new software engineers, including conducting technical interviews
- **Tech:** Angular, C#/ASP.NET, PostgreSQL, SQL Server, Docker, Kubernetes, CI/CD, automated testing, on-prem & cloud

Software Developer & Technical Team Lead

Aug 2022 - Jan 2025

Sybrin | Johannesburg, South Africa

- Promoted to lead the dev team. Mentored junior engineers, hit every financial target, and grew the team into top performers
- Designed and built **Vitals** single-handedly: an automated recovery system that maintains near-100% uptime for 30+ banking institutions across 14 African countries, zero manual intervention
- Took Sybrin from an inconsistent vendor to the most reliable one for partner banks, which directly brought in new business
- Won **Best Innovator** and **Best Team Leader** at the 2023 company awards

Associate Full Stack Developer

Aug 2021 - Aug 2022

Sybrin | Johannesburg, South Africa

- Spotted repetitive operational work and automated it, building workflow tools that thousands of people ended up using daily
- Improved reliability and maintainability of banking software running across multiple African markets

Graduate Software Developer

Jan 2021 - Aug 2021

Sybrin | Johannesburg, South Africa

- Worked on banking software handling financial workflows across 14 countries
- Hands-on production support and incident response, working directly with users to design solutions around their actual needs

Founder & Full Stack Developer

Mar 2019 - Mar 2022

Jaxify Software | Pretoria, South Africa

- Started my own software consultancy while studying. Built web applications for multiple clients from first conversation to production deployment
- Managed a team through full project lifecycles: requirements, design, development, hosting, and client communication

TECHNICAL SKILLS

Frontend

Angular, React, TypeScript, HTML/CSS, Tailwind CSS

Backend

C#/ASP.NET, REST APIs, PostgreSQL, SQL Server

DevOps & Cloud

Docker, Kubernetes, AWS, Azure, CI/CD, Git

Other

Team leadership, mentoring, system design, client-facing delivery

PROJECTS

Vitals sybrin.com/vitals

Automated recovery platform I built from scratch. Detects and resolves issues in legacy banking software before they cause outages. Runs across 30+ banks in 14 countries with no manual intervention. C#/.NET, SQL Server, Azure, Angular.

Invoicer invoicer.co.nz

SaaS invoicing platform I built for freelancers and small businesses in NZ. Handles invoices, estimates, quotes, client management, and cloud storage. Passwordless auth, permanently free and open source. Angular, ASP.NET, PostgreSQL, Cloudflare.

Orbital Launchpad jacovanstryp.com

Interactive space-themed portfolio site. Angular 21 with SSR, lazy-loaded routes, and CDK drag-drop.

Jaxify Platform

Client-facing web applications built through my consultancy. Full lifecycle delivery for multiple businesses. C#/.NET, Angular, React, PostgreSQL, Azure.

Smart Voting System

Built an electronic voting system for my high school in grade 10. Replaced weeks of paper ballot counting with instant results. The school used it for years after I left. Java, SQL Server.

EDUCATION

Diploma in Information Technology 2019 - 2021
Belgium Campus, Pretoria, South Africa
Summa Cum Laude (with Highest Honours), A+ (86.4%).
Top #1 IT Student.

National Senior Certificate 2014 - 2018
Eduplex High School, Pretoria, South Africa
Top student in IT and Computer Application Technology.
Ambassador of the Year.

AWARDS

- Best Innovator, Sybrin 2023
- Best Team Leader, Sybrin 2023
- HiPo Program (High Performing Employees), Sybrin 2023
- Summa Cum Laude (Highest Honours) & Top #1 IT Student, Belgium Campus 2021
- Ambassador of the Year, Eduplex 2018

CERTIFICATIONS

- Technical Team Leadership 2023
- Docker & Kubernetes 2023
- Advanced Web APIs with ASP.NET 2023
- PostgreSQL 2023
- AWS Essential Training for Developers 2023
- Coaching Skills for Leaders & Managers 2023
- React.js Essential Training 2023
- Advanced SQL 2022
- Advanced C# / .NET 2022
- Entity Framework & LINQ (C#) 2022
- Advanced Angular 2022

Languages: English (fluent), Afrikaans (native). References available on request.