

VINCENT MACQUET MAUREL

Senior Full-Stack Engineer | AI & Product Engineering

Port Edward, South Africa • Worldwide Remote • vmaurel30@yahoo.com • +27 083 306 9314

[LinkedIn](#) • [GitHub](#) / AI Integration

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 13+ years of professional software development and technology experience, specialising in building and delivering production-ready web, mobile and business applications. Strong hands-on expertise across React, Next.js, TypeScript, JavaScript, Node.js, Express, PostgreSQL, AWS, Docker and CI/CD, complemented by practical experience in AI engineering, custom AI agents, LLM integration and workflow automation. Independently architected and built a production insurance platform from the ground up, owning the solution across frontend, backend, database architecture, automation, AI integration, testing, deployment and ongoing production delivery. The platform is live, serves 2,500+ users and has real paying clients generating ongoing commercial value for its stakeholders. Experienced working autonomously from high-level business requirements through architecture, implementation, testing and deployment. Previous Product Owner and Scrum Master experience adds strong business analysis, stakeholder management and delivery leadership capabilities to a hands-on engineering background.

CORE TECHNICAL SKILLS

Frontend	React.js · Next.js · TypeScript · JavaScript (ES6+) · HTML5 · CSS3
Backend	Node.js · Express.js · RESTful APIs · API Architecture
Databases	PostgreSQL · Microsoft SQL Server · MongoDB
AI & Automation	Custom AI Agents · LLM Integration · Prompt Engineering · AI-Assisted Development · n8n · Workflow Automation
Cloud & DevOps	AWS EC2 · AWS S3 · AWS Security Groups · Docker · Git · GitLab · CI/CD
Testing & Quality	Selenium · TestCafe · Postman · End-to-End Testing · Regression Automation · Risk-Based Testing
Mobile	Android · Java · Kotlin
Engineering & Delivery	Full-Stack Architecture · Database Design · Product Engineering · Technical Requirements · Agile · Scrum · Product Ownership
Domain	Insurance · Point of Sale · Payments · Retail · Enterprise Software

SELECTED PRODUCTION PROJECT

Production Insurance Platform | Lead Architect & Full-Stack Developer | Independent / Contract

React · Next.js · TypeScript · Node.js · Express · PostgreSQL · AWS · Docker · CI/CD · n8n · AI Agents · Selenium

- Independently architected, developed and launched a complete production insurance platform from the ground up, taking ownership from high-level business requirements through architecture, implementation, testing, deployment and ongoing production support.
- Built the frontend using React, Next.js and TypeScript; designed and implemented backend architecture and APIs using Node.js and Express.
- Designed and managed the PostgreSQL data layer and deployed/operated infrastructure using AWS EC2, S3 and security-group configuration.
- Used Docker and established CI/CD processes to support repeatable, reliable application delivery.
- Developed complex n8n workflow automations and integrated custom AI agents and LLM capabilities for application functionality, data processing and AI-assisted development.
- Implemented automated end-to-end regression testing using Selenium to protect production releases.
- Live in production with 2,500+ users and real paying clients, generating ongoing commercial value for stakeholders.
- Managed the complete development lifecycle independently in a remote environment, demonstrating strong ownership, self-management and execution.

PROFESSIONAL EXPERIENCE

GAAP Point of Sale — Durban, South Africa | Software Engineering, Product & Automation Roles | March 2013 – July 2026

Progressed through multiple technical and product responsibilities during a 13-year tenure, spanning software development, Android engineering, QA automation, Product Ownership and Scrum Master responsibilities.

Senior QA Automation Analyst / Engineer

- Designed and executed automated testing strategies for complex enterprise Point-of-Sale systems.
- Developed and maintained automated regression suites using Selenium and TestCafe.
- Used advanced SQL across PostgreSQL and Microsoft SQL Server for data validation, investigation and operational reporting.
- Worked with development teams and business stakeholders to clarify requirements, identify risks and support reliable production delivery.

Product Owner / Scrum Master — Automation & Core POS

- Managed product backlogs and translated business requirements into actionable technical delivery scopes.
- Coordinated with developers and stakeholders to maintain delivery focus and resolve technical and business ambiguity.
- Established high-trust, asynchronous working practices designed to protect engineering focus and improve delivery efficiency.

Android Software Developer

- Developed and maintained the company's flagship Android Point-of-Sale application using Java and Kotlin.
- Refactored legacy source code and UI components to improve application stability and memory performance.
- Mentored junior developers and helped develop two team members into senior engineering roles.

Technical Documentation & Legacy Modernisation

- Inherited an under-documented software codebase and reconstructed its technical understanding using source history, existing code and previous commits.
- Created comprehensive technical documentation and a development wiki that continued to be used by offshore engineering teams.

Self-Employed Contractor — Agile Software Engineer / Consultant | Remote | July 2013 – May 2014

- Worked with early-stage technology companies to develop MVP functionality and production software.
- Helped establish structured software development lifecycles and automated testing practices.
- Worked directly with clients and stakeholders to translate business requirements into technical solutions.

Mr Price Group — Durban, South Africa | Software Developer | July 2012 – July 2013

- Contributed to production enterprise software within a large-scale retail environment.
- Worked within structured enterprise software development and version-control processes.
- Performed application and data validation within a high-volume corporate environment.

REMOTE & ENGINEERING STRENGTHS

End-to-End Ownership — Proven ability to take a product from business requirements through architecture, coding, testing, deployment and production operation.

High Autonomy — Comfortable working independently with defined objectives and taking responsibility for technical decisions, implementation and delivery.

Product Engineering Mindset — Able to understand both technical and commercial requirements and translate them into practical software solutions.

AI-Enabled Engineering — Practical experience building custom AI agents, integrating LLM capabilities and incorporating AI into software and business workflows.

Cloud & Production Delivery — Hands-on experience with AWS EC2, S3, security configuration, Docker and CI/CD processes.

Remote Collaboration — Experienced with documentation-first communication, asynchronous progress updates and distributed engineering workflows.

QUALIFICATIONS & CERTIFICATIONS

- Project Management Foundations — LinkedIn Learning, 2023
- ISO 9001:2000 Quality Management Systems — Independent Quality Services
- A+ Core, DOS & Windows Engineering — Computer Knowledge Academy
- Matric Certificate — GBHS

TARGET POSITIONS

Senior Full-Stack Engineer · Senior Software Engineer · Product Engineer · AI Full-Stack Engineer · Full-Stack Developer · Software Engineer

South Africa · Worldwide Remote · Remote-First · Available for International Remote Opportunities