

STEPHEN LAKE

WEB APPLICATIONS SOFTWARE ENGINEER

11 Montego Bay, Harbor Island, Cape Town, 7140, South Africa | (+27) 81 024 9767 | stephen-lake@live.com

- End-to-end Web Solutions
- Databases and Data Modeling
- Scaling Hardware Resources
- Performance Optimization
- Distributed Architecture
- Developer Training & Support

Technical Summary

Languages and Tools	Shell, PHP (Laravel, CodeIgniter, Symfony), HTML, CSS, Javascript (Node, VueJS, React), Java, Python, Git, Subversion, MySQL, PostgreSQL, DynamoDB, Redis, Memcached, Nginx, Apache.
Platforms	Proficient in Linux operating systems. Light Windows experience.

Professional Experience

SLVRCLD – Amsterdam, NL (Remote) 2018 - Present
Software Engineer, Fullstack

Responsible for end-to-end rewrite of legacy product suite. Developed new systems to automate insurance claim settlement mechanisms which identify replacements, quantify products, extract lowest cost quotations and deliver client settlements through electronic vouchers and purchase orders.

- **Application Development** – Developed new database modeling while retaining fully backward compatible interfacing to legacy API's. Segregated frontend from legacy SSR driven backend with modern reactive Javascript powered frameworks including React and VueJS.
- **Product Improvement** – Implemented REST API's on top of legacy SOAP services for modern client consumption. Improved legacy application performance through caching mechanisms.
- **Operations** - Migrated vertically scaled network to horizontally scaled infrastructure with automated server deployment within external data centers for added redundancy.

ADDPAY – Cape Town, ZA 2014 - 2018
Software Engineer, Fullstack

Lead development team in creating one of Africa's largest e-commerce payment gateways automating card subscription and bank account debiting transactions via direct integration into international banking systems.

- **Application Development** – Designed and developed systems interfacing with world banks issuing card and bank account debit order transactions. Implemented interface allowing management of transactions and contracts.
- **Operations** - Scaled systems to handle millions of daily transactions.

TAG CORPORATION – London, UK (Remote) 2013 - 2014
Software Engineer, Backend

Implemented strict REST based web API's as part of a pure web backend development team with a focus on JavaEE domain object orientated programming propelling an in-house marketing campaign CRM utilized by large client bases such as Coca Cola, Smoke and Mirrors, Toyota and others. Responsibilities included test driven API development, domain object orientated interface plumbing and first level quality assurance testing.

MIRA NETWORKS – Cape Town, ZA 2010 - 2013
Software Engineer, Fullstack

Joined company as a service technician manually configuring client applications via scripts to provision for external premium SMS, USSD, WAP service consumption. Provided technical support to second-party clients and customer support to third-parties. Deprecated requirement for manual service provisioning by developing a web frontend to execute service creation which was later adopted by business developers increasing product sales and productivity significantly.

- **Application Development** – Developed in-house bizdev friendly solution to create client service integration via web interface eliminating the need for developer provisioning intervention.
- **Technical Support** – Provided third-level support to business developers and service consumers.