

# Stefan Lourens

- [stefan.lourens@gmail.com](mailto:stefan.lourens@gmail.com)
- <http://www.linkedin.com/in/stefanlourens>
- +27 82 854 0448

Other formats : [PDF](#) | [HTML](#) | [Markdown](#)

## Background

I've been a Software Engineer since 2002. I'm well versed in all facets of web and API development.

## Recent Experience

### Amazon Web Services (AWS) : Software Development Engineer

June 2017 - Present

#### Responsibilities :

- SDE on various EC2 control-plane teams (Instance Launch / Placement / Capacity Data)
- API Design / Development
- Design and implementation of various ingestion layers and ETL for data-lake.
- Development of Operational / Monitoring tools
- Mentoring of Jnr & Non-Scala Engineers

#### Languages and Tools used:

- Scala 2.x / Java 8/11 / ES6 / Ruby (Not a fan of dynamic languages in general, keen to move to Scala 3.x, not currently supported by internal build tools)
- Scanamo
- Scallop
- Jackson
- CoAP / CBOR
- Various AWS services and their SDKs:
  - DynamoDB
  - Lambda
  - S3
  - SQS
  - Glue / Spark
  - Athena
  - Cloudwatch Metrics / Logs
  - CCloud-formation / CDK
  - IAM / STS

### Takealot/MrD Courier : Senior Software Engineer / Team Lead

September 2015 - June 2017

#### Responsibilities :

- API Design & Development
- Tech Lead on Scala projects
- Mentoring of Jnr & Non-Scala Engineers
- Full Stack Developer on Internal / Branch Tools

#### Languages and Tools used:

- Scala 2.x / Akka / Play-Framework
- Java 8 / OOP & Functional
- JAX-RS / JSON / REST
- JAXB / XML
- SBT / Maven
- GIT
- JavaScript / jQuery / Angularjs
- HTML / CSS
- SQL / MySQL / PostgreSQL
- Apache / Jetty / Glassfish
- Couchbase / Map-Reduce

- JPA
- Hibernate

## Tag : Senior Software Engineer

**April 2013 - September 2015**

Responsible for the Development/Design and Implementation of :

- Architectural improvements
- WebSockets for notification of async tasks (Client & Server)
- REST APIs on flagship product.
- Metrics/metering for both performance and product activity.
- Back-office tools (API & UI).
- Supporting libraries.

## Yola : Senior Software Engineer / Co-Founder

- **December 2010 - March 2013 (2 years 4 months) Cape Town**
- **July 2008 - December 2010 (2 years 6 months) San Francisco, CA**
- **February 2007 - July 2008 (1 year 6 months) Cape Town (SynthaSite later renamed to Yola)**

Primary Engineer on Sitebuilder server-side (Java), responsible for design and implementation of:

- JSON based APIs, exposing functionality and data to JavaScript UI.
- Partner Platform, APIs allowing 3rd Party ISP integration.
- Integration of various internal and 3rd party services.
- Style Framework, allowing development of styles for use by user's sites.
- Widget Framework, allowing development of widgets for use by user's sites.
- Generating PHP source from Abstraction to produce final website for hosting.
- Database design & sharding.
- Application Level Clustering.

Development of various back-office tools with web-ui's for use by Support / QA

## incuBeta / Clicks2Customers: Software Engineer

**September 2004 - February 2007 (2 years 7 months)**

Design and implementation of various Java / Web-based solutions, ranging from professional services, eg online booking systems, to in-house products and projects eg Affiliate and vertical search engines.

One of the internal products formed the basis that became Yola's SiteBuilder.