

André Walker

✉ andre@andrewwalker.net | 🌐 andrewwalker | in andrewwalker

SUMMARY

Tech Lead and Senior Software Developer with 10 years of experience in implementing back-end systems for web applications, and tools for improving development experience. Designed and implemented core libraries used by over 250 services, responding to hundreds of millions of requests per day.

Most of my experience is on scripting languages, such as Perl. I have also written a number of projects in Java, C and C++ and others. I have a special interest in functional languages, and I developed a few applications in O'Caml, Haskell, Elm and recently Scala.

I am engaged in open source, with an active GitHub profile, having contributed to a variety of libraries and tools. I attend and occasionally speak at technical events.

WORK EXPERIENCE

Booking.com, *Amsterdam, NL* Sep 2015 | Present
World's leading accommodations site.

Lead Software Developer (Jan 2020 | Present)

- Led initiative to restructure legacy codebase in components, making ownership boundaries explicit for teams, tracking dependencies for auditing and selective testing, and generally making continuous integration possible.
- Introduced Bazel as a build and dependency management tool for Perl applications, also implementing rules in Starlark.

Senior Software Developer (Oct 2018 | Dec 2019)

- Created the base infrastructure for services moving out of the monolith, into the internal kubernetes cloud. Helm charts, base docker images, and basic scaffold for new applications.
- Led the development of the internal framework, engaging with the community of (at the time) approximately 150 applications with RFCs.

Software Developer (Sep 2015 | Sep 2018)

- Maintained property to guest communications, ensuring reliability of e-mail and messaging systems.
- While working on an internal application framework, introduced unit tests, CI pipelines, code reviews and an automated deployment process. One of the first teams in the company.

Estante Virtual, *(Remote) Rio de Janeiro, BR* Jan 2014 | Aug 2015
Marketplace for books in Brazil.

Software Developer

- Integrated a new payment system, MoIP, which quickly surpassed PayPal as the main payment method.
- Reworked shopping cart to allow guest checkout.

Freelancing, *São Paulo, BR* Aug 2010 | Dec 2013

- Implemented a registration system for two W3C events in Brazil: WWW2013 and Web.br.
- Implemented a system for a local publisher to manage magazine subscriptions.
- Developed and deployed dozens of WordPress sites, also managing hosting receiving hundreds of requests per second, appropriately tuning nginx, php-fpm and MySQL.

EDUCATION

University of São Carlos, *BSc Computer Science* 2014
Technical High School of Campinas, *Informatics* 2009