Edward Langley

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1204 Forest Dr.
Santa Paula, CA 93060

Skills

Designing ETL pipelines for analytics platforms.

Developing maintainable, test-driven frontends.

Administering Unix systems and associated services.

Managing automated deployments to the AWS Cloud.

Experience

Senior Software Engineer — HOVER Inc.
2020–present — San Francisco, CA
Focused on improving the architecture and developer experience of HOVER's React Native mobile app.

Designed and implemented an architecture to enable reliable unit-testing of the React codebase and implemented unit-test coverage of business-critical portions of the mobile app.

Spearheaded the implementation of eslint and brought our codebase down from about 300 lint errors to 0 over the course of a year.

Participated in an inter-team effort to identify causes of upload failures and implement fixes to make image uploads more reliable over an intermittently-connected network.

Senior Software Engineer — CJ Affiliate (ADS, Publicis Groupe)
2017–2020 — Westlake Village, CA
Maintained key systems for CJ's affiliate marketing clients, developing features that led to key clients renewing contracts worth approximately 10% of our revenue:

First, CJ's situational commissioning solution, enabling our clients to optimize their affiliate spend by targeting classes of users more precisely. (Scala, Oracle)

Second, CJ's Insights platform, a real-time analytics platform for our clients, enabling them to analyze a variety of metrics according to an arbitrary set of dimensions. (Kafka, Elastisearch, ClickHouse, Clojure)

Software Engineer — Independent Consultant
2014–2017 — Ventura, CA
Maintained and developed features for a AtomOS, a Gentoo-derived proprietary Linux distribution for routers.

Developed and maintained the UI and operations for an e-commerce site.

Software Engineer — NCMI, Baylor College of Medicine
2007–2012 — Houston, TX
Built a web framework for EMEN2, a document-oriented database for recording scientific experiments. Improved EMEN2's reliability and performance by debugging and fixing memory leaks and taking advantage of Berkeley DB's transactional storage.

IT Assistant — Desktop Assistance, L.P.
2004 — Houston, TX
Installed and configured Linux desktops and servers. Built a Linux distribution based on Fedora Cores 1 and 2 for internal use. Researched, installed and configured a variety of server applications including: databases, Apache, Squid, Samba, NFS.

Technologies

Clojure, Java, Scala, JavaScript (NodeJS and Browser), TypeScript, Python, Haskell, SQL, Common Lisp, LaTeX

React, React Native, XState, Redux, Ramda, HTML, CSS, Nginx, Firebase

PostgreSQL, ClickHouse, Oracle, Elasticsearch, Interbase/Firebird

Vi/Vim, Emacs, VirtualBox, OpenVPN, NFS, Samba

Unix, Linux, FreeBSD, Solaris (SmartOS), Mac OSX, AWS (EC2, EKS, ECS, S3, RDS, Route53)

Publications

Rees, I., Langley, E., Chiu, W., & Ludtke, S.J. (2013). *EMEN2: an object oriented database and electronic lab notebook.* Microsc Microanal 19, 1–10

Education

Thomas Aquinas College, Santa Paula, CA
Bachelor of Arts, Liberal Arts, 2012