

EDWARD LANGLEY

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1204 Forest Dr.

Santa Paula, CA 93060

SKILLS

Designing and optimizing ETL pipelines for analytics platforms.

Developing maintainable, test-driven frontends for web and mobile.

Administering Unix servers and cloud deployments (AWS and Firebase)

EXPERIENCE

Senior Software Engineer

2020–present

HOVER Inc.

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 code-base and implemented unit-test coverage of business-critical portions of the mobile app.

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

2017–2020

CJ Affiliate (ADS, Publicis Groupe)

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, Elasticsearch, ClickHouse, Clojure)

Software Engineer

2014–2017

Independent Consultant

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

2007–2012

NCMI, Baylor College of Medicine

Houston, TX

Build and maintain a document-oriented database for a electronic lab notebook. Focused on implementing a web framework and improving its reliability and performance.

TECHNOLOGIES

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

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

Firebase Firestore, PostgreSQL, ClickHouse, Oracle, Elasticsearch, Interbase/Firebird

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