

EDWARD LANGLEY

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1204 Forest Dr.
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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	<p>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 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.</p> <p>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, Elasticsearch, ClickHouse, Clojure)</p> <p>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.</p> <p>Software Engineer NCMI, Baylor College of Medicine 2007–2012 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.</p>
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). <i>EMEN2: an object oriented database and electronic lab notebook</i> . <i>Microsc Microanal</i> 19, 1–10
EDUCATION	Thomas Aquinas College , Santa Paula, CA <i>Bachelor of Arts</i> , Liberal Arts, 2012