

EDWARD LANGLEY

Email: edward@elangley.org
Phone: (832) 585-2660

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	<p>Senior Software Engineer CJ Affiliate (ADS, Publicis Groupe) 2017–present 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 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.</p> <p>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.</p>
TECHNOLOGIES	Clojure, Java, Scala, JavaScript (NodeJS and Browser), TypeScript, Python, Haskell, SQL, Common Lisp, \LaTeX React, Redux, Ramda, HTML, CSS, Nginx, PHP-FPM 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). <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