David Cloutman | Senior Full-Stack Engineer (Web, Platform, Cloud, CMS)

Lawrence, KS 66049 | US Citizen | Python • JavaScript • PHP • SQL

Backend & Full-Stack Web | Available for permanent hire or W-2 contract

Afternoon calls preferred • No unsolicited texts, please • Central Time Zone

Use email first:

david.cloutman@lampfire.com

Follow-Up Only:

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Lawrence, KS 66049

Summary

I am a computer programmer with over 20 years of full-stack web application development experience using languages such as Python, JavaScript, PHP, HTML, CSS, and SQL. I have diverse experience ranging from managing consumer facing Web sites to building secure and reliable enterprise software. I am a good communicator with solid writing capabilities, for both technical and business purposes. I have led engineering teams, influenced products, and improved business processes. I am looking for full-time growth oriented opportunities.

Technology Skills

Programming

- Python: Flask, Jinja 2, PeeWee, SQL Alchemy, Django, Celery, Pandas
- JavaScript, Typescript, React, Svelte, Electron.js, Node, jQuery, JSON
- PHP (Versions 3 - 8, object oriented), Slim Framework, Twig, WordPress, PHPUnit, PHPDoc, LAMP server administration
- HTML, CSS / Sass (SCSS)
- RESTful APIs, API Integrations, SAAS, Web Services
- Git, SVN, Mecruial
- AWS, Lightsail, Docker

Databases

- SQL (MySQL, Oracle, Postgres)
- NoSQL (MongoDB, Redis, Memcached)

Systems and Applications

- Linux, bash scripting, make
- Docker
- Web Servers (Apache httpd, Nginx), DB servers (MySQL, Redis, Memcached)
- Photoshop, Figma
- Word, Excel, Google Docs

Experience

Expert Coder / AI Trainer @ Scale AI
December 2023 to May 2024

- Created exemplar code as training data to improve the quality of software-generating language learning models
- Developed example applications using Python, HTML, CSS, JavaScript, Typescript, and Golang and data models in SQL

Career Break
January 2023 to December 2023

- Laid off as part of workforce reduction. Job search was heavily impacted by decreased investment in tech caused by high interest rates
- Continued development on a Flask-based meta-framework intended to create a more modular, object oriented, and full stack experience for small and medium sized web applications in Python
- Developed a Sass / SCSS based theming engine to take Material Design 3 design system specifications and transform them automatically into a working CSS stylesheet with utility classes that can easily be added to an existing project
- Completed Meta-sponsored courses on Coursera related to both front-end and back-end development. Coursework included React.js and Django

Consulting Software Engineer @ Amazon Kuiper Project
May 2022 to December 2022

- Architected and programmed a full-stack software project to organize test data and create visualizations from satellite equipment for a team of mechanical engineers and test technicians
- Built a desktop client in TypeScript for test technicians utilizing Electron.js, Node, and Svelte.js to ingest and preview test data prior to delivery to engineering team
- Developed a RESTful API in Python / Flask with a MySQL database for deployment on AWS services
- Worked with Typescript / JavaScript, Python, HTML / CSS front-end technologies, and SQL

Technical Lead (Platform) @ Turion Corporation
September 2021 to March 2022

- Helped lead full-stack platform development efforts on a new generation of higher education technology while providing oversight for a team six engineers
- Planned architectural enhancements for improved scaling, security, and user privacy
- Organized the conversion of a plain React front-end to MUI allowing accelerated design and prototyping within an established design system paradigm

- Worked with Node.js + Express.js + Next.js, with a hybrid MySQL + MongoDB backend hosted on AWS and Lightsail
- Improved JIRA workflows, fields, and statuses
- Administered domain records, Google Workspace accounts, and the public WordPress site

Consulting Software Engineer IV @ Facebook
July 2021 to September 2021

- Worked with the People, Consent & Agency team building improved and more granular ad preferences for Facebook's ads
- Implemented changes to the "Why am I seeing this ad?" feature
- Programed features in Facebook's Hack programming language
- Used Mercurial for version control

Privacy Auditor @ Facebook
August 2020 to June 2021

- Made technical recommendations to engineering teams regarding the use of internal tooling designed to protect sensitive user data from privacy violations
- Reviewed technical implementations of privacy protections
- Worked with other members of the Privacy Review team to improve and document processes and tooling
- Composed and updated instructions, runbooks, and other technical documentation on internal wiki

Consulting Software Engineer @ Advanced Micro Devices
July 2019 to January 2020

- Developed Python + Flask devops microservices for ROCm GPU library development
- Provided UI development in HTML / CSS / JavaScript
- Integrated with a RabbitMQ / Celery event-driven messenger system
- Hands-on Docker swarm experience
- Light UI + UX prototyping
- NoSQL using MongoDB and Redis

Senior Software Engineer @ Yahoo! / Oath
December 2016 - September 2018

- Developed and maintained company wide enterprise applications as part of the CIO / Workflow Solutions team
- Worked on enterprise systems that tracked and managed the Yahoo's physical computing assets
- Discovered and hardened systems against security threats in custom built PHP applications
- Contributed to an enterprise API service using Python, Django, and Docker
- Enhanced Java plugins for company's in-house JIRA installation

Technical Lead @ Clorox
July 2015 - March 2016

- Served as a consulting Technical Lead in Clorox's digital marketing department

- Coordinated the development of multiple WordPress-based brand Web properties including PineSol, Liquid-Plumr, GreenWorks, and SOS
- Maintained and oversaw the development processes of the Clorox corporate Web site, including the annual report to shareholders

Director of Engineering @ Liquor.com June 2012
November 2014

- Lead software development strategy and architecture at Liquor.com, a leading website for cocktails and spirits content
- Multiplied unique monthly visitors and organic search traffic 10x or more year over year as executive member of product workgroup
- Conducted hands-on code development while collaborating with my reports to produce weekly releases
- Implemented effective devops and agile processes
- Managed and recruited software engineers
- Participated in implementation and execution of an improved product management process
- Administered Linux-based nginx + PHP FPM servers and coded in PHP, MySQL, JavaScript, HTML, and CSS for a WordPress based site with an additional relational data store
- Architected and deployed a rapid development framework for sweepstakes and contests using the Slim micro-framework, Twig templates, and the Propel ORM

Senior Software Engineer @ TripIt/Concur
October 2011 - May 2012

- Developed new enhancements and fixed issues on a highly successful Web based product with 5 million registered users
- Developed adapter to integrate TripIt's application emails with a new email service provider to handle over 100,000 emails each day
- Contributed to a major refactoring of TripIt's HTML emails

Consulting Platform Engineer @ Giftiki
June 2011 - October 2011

- Responsible for architecting, implementing, documenting, and testing of JSON based API for a financial services
- Worked with PHP, MySQL, Memcached and Thrift
- Mentored junior engineers

Consulting Web Application Developer @ Taproot Foundation
July 2010 - January 2011

- Implemented features on a mission-critical PHP / MySQL application for an innovative, nationally recognized non-profit

- Worked with Taproot staff to identify core business needs, scope enhancements, and identify bug fixes
- Provided vital information through custom SQL queries of application database

Web Application Developer @ Enki Sports
January 2010 - May 2010

- Collaborated with business leads in product development, design, and marketing decisions in a tight-knit startup environment
- Led Enki-Train product implementation
- Developed the company's public Web site
- Implemented and maintained company's IT infrastructure, including web servers, development, and email systems
- Hired and supervised contract developers

Electronic Services Librarian @ Marin County Free Library
July 2007 - January 2010

- Developed and maintained a new Web presence for the Library using a commercial content management
- Developed custom features and advanced functionality for the Library Web site using PHP and MySQL
- Trained and coordinated business users in collaborative Web site editing using the CMS
- Improved and updated the library's legacy Web sites
- Installed and maintained Linux Web servers
- Evaluated and supported library-specific technologies

Principal / Senior Consultant @ Lampfire Information Services
April 2001 - July 2007

- Designed, implemented, and maintained Web sites and Web applications for clients using technologies such as PHP, MySQL, HTML, CSS, and JavaScript
- Built custom enterprise software for Autodesk and the State of California
- Provided the "online marketing consciousness" for clients requiring Web sites
- Conducted business development and maintained strong client relationships
- Managed other consultants including designers and programmers

Instructor @ San Jose State University
November 2005 - December 2006

- Taught graduate level course introducing students to a variety of Web technologies, including XHTML, CSS, JavaScript, PHP 5, and XML

Web Developer @ PaigeWarner Communications LLC
July 2000 - April 2001

- Entry-level professional programming job at a graphic design firm
- Developed Web sites using HTML, CSS, JavaScript, and PHP
- Provided usability and technical input to graphic designers
- Developed site architectures and input on marketing strategies for internal and client Web sites

Education

Completed Degrees

- **San Jose State University: Masters Library and Information Science 2000**
  Unique masters program with an emphasis on using Library and Information Science theory to create better information technology and systems

- **University of California, Berkeley Bachelors: Philosophy 1997**
  Curriculum stressed critical thinking, and written and verbal communication skills

Continuing Education

- Oregon State University 2015 Introduction C++ (3 semester units)
- San Francisco City College 2010 Introduction to Ruby (4 semester units)
- Berkeley City College 2007 - 2008 Java programming (12 semester units)

Other Interests

- Running long distances, climbing tall mountains
- Playing bass guitar and other musical instruments
- Writing fiction
- Winemaking

References

Provided upon request

Consulting Requirements

- W-2 Only
- 6 Month Minimum
- ACA compatible health benefits