Noah Ellman
Software Engineer

Address: Berkeley, CA
Tel: (480)236 - 8117
Email: noahellman@gmail.com
Website: www.noahlabs.net

OBJECTIVE

I have 9+ years of full-stack web development experience, with a recent focus on backend systems and DevOps. I have written code used by millions of people. I am looking for a software engineering position in a small and ambitious startup where I can combine my strong technical skills, innovative ideas, and my passion, to contribute to the development of successful next-generation technologies and services. An ideal position would allow me to expand my knowledge into new technologies, languages, and responsibilities.

SKILLS

Languages: JavaScript, Node.js, PHP, React, SQL, Python, Java
Databases: MySQL, PostgreSQL, Cassandra, Elasticsearch, Redis
DevOps: AWS, Linux, Docker, Ansible, Serverless architecture
GitHub: https://github.com/noah-ellman

WORK EXPERIENCE

Backend Engineer
Game Your Game, Inc.
April 2017 - Present
San Fransisco, CA
http://www.gamegolf.com

Game Your Game is an IoT company in the sports industry. The company has developed innovative hardware products that use machine learning to detect movement patterns, and a backend system and mobile app that displays, stores, and analyzes a golfer's game. My responsibilities included everything related to the backend.

- Designed and developed new API's as Node.js micro-services, while maintaining a legacy PHP codebase and associated databases.

- Significantly reduced AWS costs by over 43% through containerizing applications, reorganizing the cloud infostructure, and eliminating wasteful usages of resources.

- Built several internal tools (React/Node) for the engineering team that dramatically enhanced everyone's productivity and enjoyment.

Software Engineer
Self-Employed Freelancer
2014 – 2016
Berkeley, CA

- Worked, part-time, on various web development projects for new and former clients in my network while working on personal projects.

- Designed and developed a JavaScript framework (like jQuery), but implemented using real prototype inheritance instead of "dollar sign" function wrappers. Benchmarks showed significant performance improvements over jQuery and other JavaScript frameworks. Built the framework and its website from scratch and tried to promote it, albeit unsuccessfully.
http://www.jwee.org

- Stayed up to date on latest web technologies through personal projects and tech meetups in the San Francisco Bay Area.

MediaNet Group, Inc. (dubli.com)
Senior Developer, Full-stack
2011 – 2013
Boca Raton, Florida

My duties included programming, database architecture (DBA), software design, and Linux server administration. As one of the company's senior engineers, I made important technical decisions and oversaw a small team. I designed and programmed a distributed automated backend system (PHP/C++/Bash) that harvested, analyzed, and updated a MySQL database with many millions of records and implemented a search engine for it using Sphinx.

iDV8 Inc. (dizzler.com)
Lead Developer, Full-stack
2007 – 2011
Scottsdale, AZ
http://www.noahlabs.net/dizzler (archive)

Dizzler.com was a free music search engine and social media community of 5 million members and 16 million page hits a month. I was responsible for programming the entire backend (PHP, JavaScript, MySQL). I optimized code, SQL queries, and the Linux servers for maximum performance, scalability, and 99.9% uptime. I researched and implemented solutions, such as database replication and Memcached, that allowed dizzler.com to scale up and grow organically while keeping costs down.

- Developed and launched the 2nd most popular (in 2011) mobile music application (app) on the Google Android phone using Java and PHP. Because I had little prior experience with Java or the Android SDK, this project's success depended upon my ability to teach myself new skills quickly.

- Engineered, in PHP and MySQL, the web crawler, indexing engine, and search engine that made dizzler.com the most comprehensive music search engine on the web in (in 2011), with more songs and better search results than Project Playlist and AOL's songs.aol.com site.

Mission E-Commerce
Web Developer
2005-2006
Scottsdale, AZ

- Being the most experienced PHP developer at the firm, I ensured a successful launch of at least a dozen different websites built with PHP, JavaScript, and a MySQL database.

- My success at this position led to my appointment at Dizzler.com. The owner of Mission E-Commerce described me as "one of the best programmers I've ever hired."

EDUCATION

Associates Degree of Arts (AA)
Landmark College
2002-2004
Putney, VT