AARON PETERSON

SOFTWARE DEVELOPER & LARGE-SCALE DISTRIBUTED SYSTEMS ARCHITECT

CONTACT

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LinkedIn
GitHub

SKILLS

Amazon Web Services
Node.js / Express
PHP 7-8 / Laravel
Symfony
JavaScript / TypeScript
Vue.js / React
Dart / Flutter
SQL / DBA
Git (Github/Bitbucket)
Kanban
HTML / CSS / SASS
Apache Solr
Redshift
DynamoDB / Lambda
MySQL / Postgres / RDS
ElasticSearch / Painless
UI / UX Design
Project Management
Scrum / Kan-ban
Jira / Gitlab / Github
CI / CD (All)

Well-qualified Full Stack Developer and Architect familiar with a wide range of programming utilities and languages. Versed in all areas of back-end / front-end development and large-scale system architecture. Handles any part of the process with ease. Collaborative team player with strong communication skills and excellent technical abilities offering over 15 years of related experience.

WORK HISTORY

Senior Lead Developer & Architect | Beegia, Inc
Remote - June 2019 - May 2023

- Designed and deployed large-scale video scanning farm
- Built event-driven system to manage data stream / ETL into MariaDB cluster destined for an Apache Solr
- Hands-on dev while leading team and daily stand-ups
- Optimized facial recognition queries for improved performance and scalability achieving ~1ms queries on over 25 million faces
- Assisted business development team in both pitching and pivoting into large government contract for facial recognition system
- Technologies: Node.js, TypeScript, Laravel, PHP 8, Python, Docker, Kubernetes, Solr, ElasticSearch/Painless, MariaDB, Vue.js 3

Lead Architect & Developer | Kintura, Inc
Sacramento, CA - June 2017 - May 2019

- Collaborated with cross-functional teams to design and implement features for a large-scale web application
- Scaled advertising performance platform to over 1 billion events per day
- Worked closely with AWS Engineering to improve and test Node.js runtimes on Lambda; held record for concurrent lambda executions on homegrown real-time map-reduce query engine (pre Athena)
- Developed/organized massive Vue 2 app and various UI components
- Reviewed code, debugged problems, and corrected issues
- Technologies: Laravel, Node.js, Vue.js, Redis, MariaDB, AWS (DynamoDB, SQS, SNS, Lambda), React

Senior Software Developer | IPyxel Creations
Los Angeles, CA - December 2015 - July 2017

- Customized in-development software to clients' current hardware environments, designing applications to span multiple systems.
- Authored development guidelines to expedite application design efforts through ready-made frameworks.
- Drafted visual representations of software architecture design for presentation to stakeholders.
- Created migration strategies to bridge development gaps between existing software architecture and future updates.

- Technologies Used: PHP/Laravel, Node.js, MariaDB, AWS (Redshift, EC2, Lambda, RDS), Redis, React

Full Stack Developer
Misc. Contract, Los Angeles, CA
10+ years

- Developed and maintained several internal and external web applications for clients Ernst & Young, Ford Motor Co., Jaguar, ProFlowers and Pixar.
- Developed equipment management app for Disney Cruise Lines which remained in use for over a decade until being replaced with a SAP module.
- Objective-c / Cocoa Touch for iPhone and iPad.
- Developed (many) RESTful APIs for mobile/web applications.
- Improved website performance and scalability by implementing caching strategies (Redis/Varnish) and optimizing database queries.
- Architecture for massive queue deployments with RabbitMQ, SQS/SNS.
- RDBMS design, optimization and management.

ACCOMPLISHMENTS

2012 - Apple Developer, iOS "Ouija Map Point Detail" innovation in EspressoMap discovered by Apple; invited to join Apple Media Marketing team.

2010 - Independent Music Awards, nominated Best Indie Rock Album.

EDUCATION

Sierra College, Computer Science