

LUCAS ALVES

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Skills

- C# | .NET | C++ | JavaScript | TypeScript | Python | Django | PHP | Laravel | Node | NextJS | React | React Native | Bash | Shell | jQuery
- Git | AWS | Cloud Computing | MySQL | Oracle | PostgreSQL | Nginx | Apache | Unit Testing | OOP | Unity | Unreal Engine | Game Dev
- Serverless | Server Side | Docker | Frontend | Backend | Full-Stack | English, Portuguese, Spanish – All professional proficiency or above

Experience

Software Engineer

Picture Shop

New York, NY

08/2021 - Current

- Led the design and development of multiple enterprise-level applications of Streamland Media Group, driving \$42.2 million of revenue every year using the latest technologies of **Python, Django, PHP, MariaDB, AWS Lambdas, Elastic Beanstalk, and OpenSearch**.
- Designed and implemented scalable APIs and background workers for managing and distributing camera footage for multi-million dollar TV shows and movies using **PHP, Laravel**, and other **AWS cloud technologies** that serve thousands of user requests daily.
- Led the development of several products E2E, from identifying system requirements and client dependencies to workload balancing, software implementation, engineering, testing, configuring metrics, user group dashboards, and workflow services.
- Provided support for end-users and production engineers to ensure full uptime and reliability of servers and internal processes.
- Remodeled systems and processes for Colorfront software that handle camera footage data for motion pictures and television shows.
- Enriched system metrics by implementing indexes for in-depth logging of Archival, VFX, and Automation Services.
- Coordinated and tested staging and **production code integrations** and **data migrations** for release on **AWS (EC2, S3, RDS)**.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/E2E testing.

Software Developer

Sim

Los Angeles, CA

11/2017 - 08/2021

- Implemented enterprise applications of Sim's Content Experience Platform using **PHP, Laravel, React, AWS**, and **MySQL**.
- **Reported directly to VP and Director of Workflow:** Designed and developed systems that enable producers to perform optimizations in order to ensure secure and refined content delivery to industry leaders (**Disney, Universal, Sony, Warner Bros, Paramount, and Fox**).
- Automated and standardized business logic for the core CMS experience, including Tech Info, API Integrations, and Checksum Validation.
- Mentored SWE teams on codebase familiarization and best practices for implementation, deployment, and testing.
- Maintained and deployed features for Data Calculator to the **App Store** using **React Native**, providing easy-access framing, runtime, and data rate calculations for end-users to compare big data for cameras and processing media.
- Designed and developed E2E **Electron** cross-platform desktop application for MD5 checksum hash validation tool.

Lead QA Engineer

LUMEA

Lehi, UT

01/2016 - 11/2017

- Pioneered and led the testing suite for industry leading AI empowered Lab Information System using **PHP, Yii, JS, PHPUnit, & Selenium**.
- **Reported directly to CTO:** Led engineers in designing and developing the medical system dashboard that provides a rich visual summary of patients, clinics, laboratory tech personnel, and pathologists. Used by the board of directors in the decision-making process.
- Assessed **CMS** requirements while surveying clients, lab techs, and pathologists to ensure patient satisfaction and **HIPAA** compliance.
- Integrated multiple third-party systems with the LIS, including ticketing systems, increasing development team output by 93%.
- Pioneered LIS platform's user-experience and user interface (**UI/UX**) testing process by integrating **Selenium WebDriver**.

Netsuite Administrator & Developer

Command 7

Sandy, UT

12/2014 - 12/2015

- **Netsuite:** CRM/ERP application development and administration (**JavaScript, SuiteScript, PHP**)

Netsuite Administrator, Intern

Integrated Building Maintenance

Sandy, UT

07/2014 - 12/2014

- **B2B/EDI Integration:** API access to nationwide corporations and other businesses (**JavaScript & PHP**)

Education

Bachelor of Science

Brigham Young University - Idaho

Rexburg, ID

01/2009 - 07/2014

- Computer Information Technology

Projects

- **Lumo GDL:** Creator of a game dev log that reads markdown files (**TypeScript, React, NextJS, Node, & Tailwind**). [Lumo GDL](#) (08/2023)
- **Dress to Diva:** Designed, developed an award-winning fashion blog (**Laravel to WordPress**). [D2D](#) (05/2014 - migrated 09/2023)

Mentorship

- **QV Mentor Association:** Coding Mentor responsible for mentoring and giving advice to Junior SWE (05/2018 - 12/2020)
- **Linux Society Advocate:** Programming | UNIX System Administration | career advice | interview prep | professional portfolio