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