

I am a software engineer with **15** years of professional experience developing complicated full-stack applications. Able to construct scalable, reliable apps by combining **Javascript/Typescript, PHP, Laravel, Node.js, Express.js, AngularJS, React.js, Next.js, Python** and other technologies. Excellent at working with cross-functional teams to ensure efficient project execution and communication. Committed to meeting and exceeding customer expectations with high-quality software solutions.

KEY SKILLS

Programming Languages

PHP, JavaScript/TypeScript, Python, HTML/CSS, .Net

Cloud Services

- AWS EC2, S3, SNS, SQS, Opensearch, Lambda, API Gateway, Cloudwatch, ECS, EKS
- Microsoft Azure Blob Storage, Virtual Machines (AVM), Container Service (AKS), Queue Storage
- GCP Cloud Run, Cloud Functions
- Forge, cPanel, Hostinger, Vercel, Netlify, Heroku

Frameworks / Libraries

Artisan, Laravel, Symfony, Yii, Drupal, CodeIgniter, CakePHP, Magento, Wordpress, Next.js, AngularJS, React.js, Selenium, Pandas, Scrapy, Flask, Django, FastAPI, NumPy, Elasticsearch, Logstash, RabbitMQ, Kafka

Developer IDEs

PHPStorm, VS Code, PyCharm

Version Control

Git, SVN

Databases

DB2, Oracle, MySQL, Informix, PostgreSQL, MariaDB, SQLite, MongoDB, Redis

DevOps

Docker, Jenkins, Kubernetes, Github Actions, GitLab, CI/CD, AWS, Argo CD, Terraform, Ansible

Architecture & Design Patterns

MVC (Model-View-Controller), MVP, Observer, Singleton, Repository, Factory, Builder

Testing

PHPUnit, Pest, Jest, Datadog, Sentry, Postman, Swagger

Tool

Confluence, Asana, Jira, Trellor, Shortcut

WORK HISTORY

Software Engineer

Vegas.com

03/2023 – Present

- Improved the first page load times by 15% by leveraging **SSR** and improving server response times with **Next.js** and **GraphQL**.
- Collaborated with a cross-functional team to develop and maintain a ticket selling and affiliate system application using **Node.js, PHP 8, Laravel**, and **MySQL**.
- Implemented a real-time tracking and communication functionalities using **Web Socket** technology.
- Utilized unit testing frameworks like **PHPUnit, Pest**, and **Jest** to achieve 90% code coverage, ensuring the reliability and stability of the software.
- Designed and developed front-end components using **React.js, AngularJS, Next.js, JavaScript, HTML5**, and **CSS3** to enhance the user interface and overall user experience.
- Implemented **Elasticsearch** to improve search capabilities, resulting in a 20% increase in highly efficient and accurate search results for users.
- Created a **single sign-on (SSO)** solution that allows clients to access various services with just one password, improving the platform's security and convenience.
- Implemented authentication and authorization using **JWT, OAuth2**, and **OpenID**.
- Leveraged **Kubernetes** to deploy and manage web services on **AWS EKS** for efficient and scalable development.
- Integrated code changes, test code changes, and document code changes using tools like **Git, JIRA**, and **Confluence**.

Software Engineer
Egen

09/2022 – 02/2023

- Designed and developed **RESTful APIs** using **Node.js, Express, PHP, Laravel, PostgreSQL, Informix, Redis, Amazon Web Services**, and **Microsoft Azure**.
- Improved application's performance by **60%** through analyzing/optimizing queries, denormalizing data, and adding caching mechanisms.
- Integrated event-driven architecture with **microservices** implementing event sourcing and CQRS.
- Designed and implemented the UI using **Angular Components, Directives, and Services** and used **Angular Material** to create a consistent and responsive design.
- Implemented payment systems like **Apple Pay, Google Pay, Paypal, Stripe**, and so on.
- Utilized **Jenkins, Github Actions, Kubernetes**, and **Argo CD** for the deployment of **microservices**, automating the development and deployment procedures to lower failures and increase overall effectiveness.
- Build, deploy, and manage web applications and services using **AWS, Microsoft Azure** to improve the performance and security of the applications.
- Participated in the campaigns for data analysis and on-call prod support by using **Datadog and Sentry**.
- Integrated code changes, test code changes, and document code changes using tools like **Git, BitBucket, JIRA**, and **Confluence**.
- Continually assessed and improved the application's performance, pinpointing problem areas and carrying out necessary changes.
- Captured the best development practices that helped to decrease code complexity and improve the maintainability of the shared libraries and components.

Software Engineer
Amazon Web Services

08/2021 – 08/2022

- Developed and implemented back-end services and APIs using **PHP, Laravel, Node.js, Express.js**, and **PostgreSQL** resulting in a 30% increase in system.
- Designed and developed highly interactive, fully-responsive and user-friendly UI using **React, Stencil template**, and **Redux-Observable** for the frontend.
- Optimized querying in **GraphQL** using **React Apollo** and refactored queries to use fragments and In-Memory Cache, reducing number of bugs by 25%.
- Refactored previous codebase from **ES6** version to **TypeScript**, resulting in a 30% increase in overall team productivity and improving system reliability by 15%.
- Built a data stream pipeline using **Logstash**, and **Elasticsearch** to provide a reporting solution.
- Wrote test cases using the **PHPUnit** and **Jest** framework to validate the application flows in different scenarios.
- Implemented **Social Authentication** with Twitter, Google, and Facebook to help users sign up and log in easily.
- Documented application functionality, features, and maintenance processes to aid in future development efforts and streamline team member knowledge sharing.
- Identified and fixed a memory leak resulting in improved user experience by preventing the occurrence of intermittent Out of Memory errors.

Network Administrator
Miami Dade County Public Schools

04/2006 – 07/2021

- Developed and maintained web applications using **PHP, Laravel, Node.js, Express**, and **Wordpress** to deliver dynamic and user-friendly experiences.
- Implemented the user interfaces using **HTML, CSS**, and **Javascript**, resulting in a 20% increase in user satisfaction and a 15% increase in user engagement.
- Collaborated with an agile team to migrate a legacy web applications to **AngularJS, SCSS, Typescript**, and **HTML5**.

- Leveraged **AWS EC2, S3, and Lambda** for deploying the web-based applications ensuring reliable uptime and performance.
- Participated positively in all stage of **SDLC** and maintained best practice procedures.
- Implemented a comprehensive paperless registration process across two schools, streamlining enrollment procedures.
- Managed and maintained four servers across two schools, ensuring consistent uptime and reliable performance.
- Provided comprehensive technical support for five schools, including adult education and after school care programs.
- Supported students, faculty, and staff with all technology-related activities, including servers, computers, software, classroom technology, and the testing department.
- Carried out hardware and software installations to enhance the technological infrastructure within the organization.
- Maintained an accurate and up-to-date inventory of property control equipment to ensure accountability and efficiency.

EDUCATION

- **Miami Dade College**
Bachelor of Science (B.S.) in Computer Science
01/2006 – 05/2010
- **Universidad Antonio Nariño**
01/2001 – 09/2005