**Fermin Pureco Ortega**

Software Developer

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669-328-8590

San Jose, CA 94088

**SKILLS AND QUALIFICATIONS:**

* **Web Technologies:** HTML5, CSS3, MySQL, MongoDb, HTTP, JSON, XML, RESTful, Git, Okta IAM, .NET, LAMP, MEAN, ADOBE CREATIVE CLOUD, Adobe Experience Manager (AEM), SKETCH
* **Computer Language:** PHP, Java, Python, Ruby, C++, C#, Node, TypeScript, JAVASCRIPT(ES6), REACT.js (Hooks)
* **Operating Systems:** Unix, Linux, Windows, MacOS
* **Cloud**: AWS Cloud, Google Cloud, Docker, Kubernetes, Godaddy and Digital Ocean.

**EXPERIENCE:**

**Hitachi Vantara Santa Clara CA**

**Programming Engineer – Senior Web Front End UI | 60% Front End, 40% Back End May-2021-May 2025**

* Using ES6, TYPESCRIPT, NODE, HTML, REACTv8, REACT NATIVE, REACT ROUTER, REDUX, JEST, ECHARTS, D3, MUI, GRAPHQL, BABEL and NPM to build widgets, dashboards and complex foundational components like workflows, wizards, tables, maps, graphs, and other data visualization. These widgets and dashboards monitor the health of containerized servers (Storage, Compute, Ethernet, Fiber Channel) running in Kubernetes clusters.
* Developed and maintained backend APIs using Node.js and TypeScript, ensuring strong typing and scalable architecture for high-performance applications.
* Built and optimized server-rendered pages and API routes using Next.js, enabling seamless SSR/ISR and improving core web vitals.
* Using UX/UI design tools such as Figma, Storybook, and UI libraries such as the Hitachi Vantara NEXT UI Kit.
* Using Node.js to develop and maintain scalable and efficient applications in conjunction with Express.js, and MongoDB.
* Implementing RESTful APIs using Express.js and integrated with frontend frameworks such as React.js(V18)
* Using Kubernetes to orchestrate and automate the deployment of microservices-based architectures, ensuring high availability, fault tolerance, and scalability. I'm proficient in configuring Kubernetes clusters, optimizing resource utilization, and implementing best practices for container orchestration and service discovery.
* Using Jenkins, Jira, Git, GitLab, Docker, Kubernetes, and CI/CD for frontend micro-services.
* Proficient in debugging and optimizing web applications using Browser Developer Console, React Developer Tools, and Redux DevTools to analyze performance, track state changes, and resolve issues efficiently.
* Collaborated in the integration design of synchronizing and transferring data from MySQL to OpenSearch APIs, ensuring smooth and efficient data retrieval for end-users.
* Used Okta IAM to facilitate the management of digital Identities.
* Working on an embedded IA help chatbot for the Unified Compute Platform Advisor
* Using the JAVA Spring Boot framework to enhance the REST API integration, resulting in significant improvements in application efficiency and scalability.
* Using Python to run Scripts for collecting critical system information.
* Using Cypress to automate end-to-end testing for web applications, ensuring robust functionality and seamless user experience.
* Used Adobe Experience Manager (AEM) for creating Marketing Content & documentation.
* Experienced in using Playwright for end-to-end testing, automating web interactions, and ensuring application reliability across multiple browsers
* Architecting and developing a RESTful API application to activate servers using their serial numbers. The portal's front end is built with JavaScript (ES6), Vue.js, Vuex.js, and Vue Router, while the back end uses the PHP Laravel framework with PostgreSQL.
* Utilizing the .NET Entity Framework Core to collect, manage, and store data from Windows servers.
* Utilizing Ansible for automation, configuration management, and deployment tasks.
* Using Webflow to design and develop landing pages and marketing materials, ensuring a responsive and visually appealing user experience.
* Leading a talented team of engineers, conducting code reviews and mentoring

**ScreenBeam, Inc Santa Clara, CA**

Programming Engineer –LAMP Stack Software Developer Oct-2019-May-2021

* Architected/built the company’s website using LAMP, Git, HTML5, CSS3 (Sass/Less), JavaScript (ES6), AJAX, MySQL, PHP, WordPress 5.0 (Multisite Network) and the Webflow plugin.
* Designed and implemented RESTful APIs using Node.js and Express, supporting scalable and maintainable backend services for enterprise applications.
* Integrated Salesforce into multiple WordPress Multisite Network installations.
* Proficient in using Salesforce Marketing Cloud to create and execute marketing campaigns across multiple channels.
* Developed targeted email marketing strategies using Salesforce Marketing Cloud's Journey Builder, Automation Studio and Pardot.
* Managed subscriber lists, email templates, and content assets within Salesforce Marketing Cloud's Content Builder.
* Using JAVASCRIPT(ES6), REACT.js(Hooks) and REDUX.js.js to develop in the Gutenberg Wordpress editor.
* Architected/developed different learning portals to teach and train our customers how to use our products. The portal uses REACT.js(Hooks), REDUX.js.js, and BOOTSTRAP.js, in the fron-end and the PHP Laravel framework and MySQL in the back-end.
* Architected/developed a RESTful APIs application to activate devices using the product's Serial Number. The portal uses JAVASCRIPT(ES6), REACT.js(Hooks), REDUX.js.js, and Bootstrap.js, in the fron-end and the PHP Laravel framework and MySQL in the back-end.
* Architected/developed a RESTful APIs partner portals application for distributors and resellers to register deals up to 10000 units. The partner portals uses JAVASCRIPT(ES6), REACT.js(Hooks) ,REDUX.js, and Bootstrap.js in the front-end and the PHP Laravel framework in the back-end.
* Used Ruby to extract and save EXCEL and CSV sales reports to a MySQL database.
* Transformed Photoshop PSD’s into web pages and used Photoshot to sliced images.
* Used Adobe Experience Manager (AEM) for creating content for lending pages & Partner Portals.
* Built and maintained infrastructure using AWS services such as EC2, S3, RDS and Lambda.

**Actiontec Electronics, Inc Santa Clara, CA**

Programming Engineer –Software Developer Dec 2017- Oct-2019

* Architected/built the company’s website using LAMP, Git, HTML5, CSS3 (Sass/Less), JavaScript (ES6), AJAX, MySQL, PHP, WordPress 5.0 (Multisite Network) and the Webflow plugin.
* Proficient in using Salesforce Marketing Cloud to create and execute marketing campaigns across multiple channels.
* Developed targeted email marketing strategies using Salesforce Marketing Cloud's Journey Builder, Automation Studio and Pardot.
* Designed and developed a full-featured web portal using Node.js on the Express framework, implementing secure RESTful APIs, session management, and dynamic routing to support user authentication, data management, and administrative workflows
* Managed subscriber lists, email templates, and content assets within Salesforce Marketing Cloud's Content Builder.
* Used JAVASCRIPT(ES6), REACT.js and REDUX.js to develop in the Gutenberg Wordpress editor.
* Developed a dynamic Single-Page Application (SPA) to activate devices that customers bought using the product's Serial Number. The SPA uses JAVASCRIPT(ES6), REACT.js, REDUX.js.js, Bootstrap.js, and the PHP Laravel framework.
* Designed and implemented highly available and scalable solutions on AWS, resulting in cost savings, increased performance.

**Transvideo Studios LLC Mountain View, CA**

Programming Engineer –Software Developer August 2013- May 2017

* Architected/built the company’s website using LAMP, Git, HTML5, CSS3 (Sass/Less), JavaScript (ES6), AJAX, MySQL, PHP, WordPress 5.0 (Multisite Network) and the Webflow plugin.
* Developed a creative and elegant HTML5 Video platform called "Integrated Video" for showcasing customer’s videos within their existing homepages. To develop the Integrated Video I used TypeScript and JAVASCRIPT(ES6) libraries such as Jquery.js, mootools.js, and video.js and frameworks such as BACKBONE.js, REACT.js, VUE.js, AMBER.js and ANGULAR.js 2/4/5.
* Developed a HTML5 Video single-page application (SPA) for customer video feedback using FFmpeg, Mocha.js, Svg.js, Video.js, jQuery.js, Backbone.js, Marrionete.js, Underscore.js, Bootstrap.js, REACT.js, and handlebars and the PHP Laravel framework
* Used AWS Elastic Container Service for Kubernetes
* Used RESTful web services to build a new site called picturelab.com using the Gulp.js, REACT.js , REDUX.js.js and Node.js using the Express framework.
* Used React and REDUX.js form API to do server-side validation on customers videos inquiries
* Used JAVA and the Sprint Boot framework to fix the companies accounting software.
* Used Selenium Phyton WebDriver to automate testing of web video applications.
* Used Sketch to create prototypes and transformed these prototypes into web pages.
* Used Webflow to build responsive websites for customers.

**Kite Readers Corp Sunnyvale, CA**

Programming Engineer –Ruby on Rails Web Developer August 2012- August2013

* Maintained the company’s Ruby on Rails website
* Developed Ruby code to extract and save EXCEL and CSV e-book sales reports to a MySQL database and display them on simple D3.js pie and var charts.
* Used Ruby to automate the extraction of information from PDFs and convert them to children e-books.
* Created and maintained drawing app and other games for kids to play on the Ruby on Rails website using Backbone.js, Underscore.js, Svg.js, Jquery.js and the HTML5 canvas Scripting API to draw graphics and animations.
* Used Objective-C and Java to develop a simple kid drawing app for iOS and Android.

**RoohIt Corp Sunnyvale, CA**

Programming Engineer –Web Developer August 2011- august 2012

* Architected, wrote and tested code for the highlighter web site using HTML5, CSS3, jQuery, AJAX, JSON, XML.
* Maintained the company’s website by using web technologies such as Joomla, LAMP stack, Java, Ruby, Python, HTML5, CSS3, MySQL, JAVASCRIPT(ES6), AJAX, Apache, CentOS, Solaris.
* Worked designing graphics using Adobe Creative Suite (Photoshop, Illustrator, Flash, etc.)
* Designed MySQL schemas/tables, web-pages and server-side code for the company’s website.

**Somaxis San Jose, CA**

C/C++/Matlab–Software Developer January 2011- September 2011

* Build the company’s website using GIT, HTML5, CSS3(Sass), JAVASCRIPT(ES6), JQUERY, AJAX, MySQL, PHYTHON and DJANGO.
* Wrote Matlab and C/C++ code to analyze data and calibrate EXG and IMU sensors that measure and train muscles (EMG), heart (EKG), brain (EEG), posture and movement.

**Continental FRS, Inc Santa Clara, CA**

Software Engineer –Web Developer March 2010 - June 2011

* Analyzed the company’s web site to debug glitches, implement security measures, and wrote updates using LAMP, HTML5, JAVASCRIPT(ES6), CSS3, JQUERY, AJAX, JSON, MYSQL, Apache, HTTP.
* Installed and maintained several Linux CentOS servers under the command line without a GUI. Installed software and troubleshooted dependencies for the server using the GNU Compiler Collection (gcc) and GNU Debugger (gdb).
* Created and modified employee benefit plans database, using Microsoft EXCEL, CSV, JSON and MYSQL
* Used PYTHON to processed thousands of employes' stock options in a large EXCEL and CSV sets of structured, semi-structured and unstructured data provided by companies such Apple, Cepheid, FireEye and LinkedIn. This data was then saved into different tables in a MYSQL database.
* Java PDFBox library, I create PDF files for year-end tax purposes to be mail electronically to the IRS, and by regular mail to individual employes.

**San Jose State University San Jose, CA**

Wireless Communication Lab –Lab Assistant May 2008- June 2010

* Created Lab website using, HTML5, JAVASCRIPT(ES6), JQUERY, AJAX, CSS3, VB.NET, ASP.NET (Web Forms), Microsoft Visual Studio, C#, and the .NET framework.
* Designed and updated labs procedures.

**Santa Rosa Junior College Santa Rosa, CA**

Math Computer Lab Assistant –Lab Assistant February 2005- May 2007

* Entered commands and observe system functioning to verify correct operations and detect errors.
* Installed and performed minor repairs to hardware, software, or peripheral equipment, following design or installation specifications.
* Prepared evaluations of software or hardware, and recommend improvements or upgrades.

**EDUCATION:**

University of California, Santa Cruz Extension, Certificate, **Software Engineering and Quality**

San Jose State University, San Jose, CA**. Bachelors of Science, Electrical Engineer - 2010**