**Jose Ruben Ochoa**

Senior Software Engineer

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# SUMMARY

I'm a senior software engineer with 11 years of experience building full-stack web applications that are fast, secure, and built to last. I’ve worked across a range of industries including e-commerce, healthcare, fintech, and logistics, helping teams ship reliable platforms, modernize legacy systems, and scale products that serve millions. I care about clean architecture, thoughtful user experiences, and writing code that other people enjoy working with. Whether I am leading a team, architecting a service, or refining a UI, I aim to make things better for users, for teams, and for the long term.

# SKILLS

* Languages: JavaScript, TypeScript, PHP, Python, Java, Ruby, C#, C++, C, SQL, Go, Kotlin, Rust, Scala, Groovy, PL/SQL, XML, Swift
* Frontend Development: React.js, Expo, Angular, Vue.js, Next.js, Nuxt.js, Svelte, Tailwind CSS, Bootstrap, HTML5, CSS3, SASS, LESS, Responsive Web Design, Redux, NgRx, Flutter, Dart, Three.js, WebRTC, WebGL, TRPC, jQuery, React Native, XHTML, Blazor
* Backend Frameworks & Development: Node.js, Express.js, NestJS, ASP.NET, .NET Core, Laravel, WordPress, Django, Rails, Spring Boot, Flask, Symfony, Hibernate, FastAPI, FeathersJS, Tomcat, JBoss, Apache
* APIs & Web Services: REST APIs, GraphQL, Apollo Server, SOAP, WSDL, gRPC, Swagger/OpenAPI, HL7, HIPAA Compliance, Lyniate Rhapsody, EDI
* Database Management: MySQL, MongoDB, Elasticsearch, PostgreSQL, SQL Server, MariaDB, Oracle, Snowflake, Cassandra, Neo4j, Redis, ClickHouse
* Cloud Platforms & Services: AWS (Lambda, S3, Elastic Cache, API Gateway, DynamoDB, SQS, SNS, RDS, AWS CDK), Azure (DevOps, Azure Functions, App Service), GCP, DigitalOcean, Supabase, Vercel
* DevOps & CI/CD: Docker, Jenkins, Kubernetes, GitHub Actions, Terraform, NGINX, Maven, Harness, ANT
* Machine Learning & MLOps: TensorFlow, PyTorch, LangChain.js, Spark, NLP Model Development, LLMs, Pandas, NumPy, AI Notebooks, Model Deployment, Workflow Automation
* Version Control & Collaboration: Git, Bitbucket, GitLab, SVN, Jira, Confluence, Slack
* Testing & Build Tools: Mocha, Jasmine, Jest, Cucumber, Cypress, JUnit, TestNG, Playwright, Appium, Selenium, Puppeteer, Webpack, Grunt, Gulp, Nx

# PROFESSIONAL EXPERIENCE

## **Senior Software Engineer** Olivine, Inc. | Berkeley, CA | Sep 2024 – Jul 2025

* Architected scalable full-stack web applications using Node.js, React, Angular, and TypeScript to improve page load speed.
* Engineered a full-featured e-commerce solution using React to improve performance and customer engagement.
* Led migration of a large-scale application from React to latest Angular version to improve architecture and code quality.
* Designed reusable Angular components and advanced state management logic with NgRx, reducing UI defects by 25% while accelerating development speed for future feature enhancements.
* Built RESTful and GraphQL APIs in Node.js to serve millions of daily requests with low latency.
* Optimized React virtual DOM rendering and applied lazy loading strategies for high-traffic eCommerce storefronts, resulting in faster rendering and enhanced user engagement.
* Migrated legacy monolithic codebases to microservices using Node.js and Docker, cutting deployment time by 40%.
* Integrated payment gateways such as Stripe, PayPal and Authorize.Net into Node.js backends for eCommerce platforms.
* Implemented JWT authentication with refresh tokens across Angular and React frontends and Node.js APIs.
* Deployed real-time features such as WebSockets and Socket.IO for chat, order tracking, and notifications in eCommerce platforms, boosting customer interaction and satisfaction.
* Customized WooCommerce plugins for tailored product catalogs, inventory sync, and promotions.
* Built custom WordPress themes integrated with React and Next.js frontends, ensuring SEO-friendly, high-performance eCommerce stores optimized for conversions and search visibility.
* Migrated eCommerce platforms from Magento/Shopify to WordPress WooCommerce, ensuring zero downtime.
* Automated product imports, feeds, and pricing rules in WordPress using Node.js/Python scripts.
* Integrated third-party APIs into WordPress for streamlined business workflows.
* Secured WordPress deployments on Azure App Service with WAF, SSL, and role-based access.
* Enhanced SEO/SEM performance of WordPress stores, boosting organic traffic by 40%.
* Deployed containerized Node.js, React, and Angular applications on Azure Kubernetes Service with auto-scaling, ensuring high availability and efficient resource utilization.
* Used Azure Functions for serverless backends handling event-driven workflows in eCommerce.
* Built robust CI/CD pipelines with Azure DevOps, automating testing, container builds, and multi-environment deployments to accelerate release cycles and improve reliability.
* Used Azure Blob Storage & CDN for global content delivery, cutting latency by 50%.
* Implemented Azure Cognitive Services for product tagging and customer sentiment analysis.
* Optimized Azure Cosmos DB & SQL Database queries for high-availability eCommerce workloads.
* Built Python-based recommendation engines to personalize product suggestions, increasing sales conversion.
* Developed ML models for demand forecasting using scikit-learn and deployed via FastAPI.
* Trained computer vision models to auto-classify product images and improve catalog accuracy.
* Used NLP models like spaCy and Hugging Face for customer review sentiment analysis.
* Automated fraud detection with anomaly detection models in Python, reducing fraudulent transactions.
* Deployed AI/ML pipelines on Azure Machine Learning for scalable inference.
* Integrated chatbots powered by NLP into eCommerce platforms to provide automated customer support, reducing support response time and improving satisfaction scores.
* Created predictive analytics dashboards in Power BI connected to Python-based ML APIs.
* Orchestrated end-to-end MLOps pipelines for continuous training and deployment of AI models.
* Collaborated with product managers and business stakeholders to design and implement Ecommerce applications that streamlined operations.

## **Senior Full Stack Engineer** DesignsLegend | Dallas, TX | Apr 2021 – Aug 2024

* Led development of a large-scale enterprise web application built on Java, PostgreSQL, and GWT.
* Built and maintained microservice-based architectures using Java and Spring Boot for e-commerce platforms.
* Migrated legacy Java monolithic applications to modern Spring Boot-based microservices.
* Developed event-driven systems using Java and message brokers like Apache Kafka and RabbitMQ for asynchronous data processing.
* Scoped and built distributed systems with Java, Kotlin, and C#.
* Engineered data transformation workflows with Rhapsody for streamlined communication between disparate healthcare applications, while improving data consistency and reducing processing time.
* Architected and implemented access controls and auditing mechanisms to protect sensitive patient information, in full compliance with HIPAA regulations.
* Automated deployment processes for Laravel applications with Jenkins, while reducing release times and minimizing manual errors.
* Developed secure and reliable web services with SOAP and JSON to enable seamless data exchange and integration across multiple enterprise applications.
* Developed dynamic Blazor components for interactive web applications, while leveraging C# for client-side execution, improving application performance.
* Built secure, HIPAA-compliant RESTful APIs in .NET to enable safe data exchange in healthcare applications.
* Architected event-driven microservices with Spring Boot, Kafka, and Docker.
* Designed and optimized MS T-SQL queries and stored procedures to enhance data retrieval and manipulation.
* Developed and implemented infrastructure-as-code solutions using AWS CDK to automate the deployment of cloud resources.
* Designed full-stack solutions using JavaScript, TypeScript frameworks alongside back-end technologies like PHP Laravel, Python Django, and Node.js.
* Developed complex, responsive front-end applications using Angular, while utilizing NgRx for robust state management.
* Streamlined Angular application performance with NgRx by implementing centralized state handling.
* Enhanced application responsiveness and UX in Angular-based applications by leveraging NgRx effects for handling asynchronous data operations seamlessly.
* Built and integrated complex backend workflows in Laravel, allowed seamless communication with external services.
* Developed dynamic, responsive front-end interfaces with Vue.js and Nuxt.js.
* Streamlined development processes by creating reusable React components for speeding up development cycles by 25%, ensuring consistent UI design.
* Optimized database operations in PostgreSQL, MySQL, and MongoDB by focusing on query optimization.
* Designed and implemented mock services in TypeScript to simulate complex API responses, supported frontend and QA teams.
* Integrated Expo’s push notification services to improve user engagement.
* Built and optimized RESTful APIs for data exchange between front-end and back-end services.
* Managed state across large-scale React apps with Redux and Context API to enhance data flow for an e-commerce platform.
* Enhanced front-end performance through lazy loading, code splitting, and optimized GraphQL queries.
* Integrated HL7 messages in disease surveillance systems, which enabled efficient reporting of lab results and patient data.
* Applicated secure and scalable healthcare data integration solutions using Lyniate Rhapsody to enable interoperability across EHR systems with HL7 and FHIR standards.
* Utilized functional programming paradigms in TypeScript to enhance code readability and reduce side effects, improved maintainability and predictability of API services.
* Configured RabbitMQ for message routing across distributed services.
* Utilized Docker and Kubernetes for container orchestration.
* Automated operational tasks using Unix and Python scripting.
* Developed and maintained end-to-end automated test suites using Playwright for web applications and Appium for mobile apps, significantly reducing manual regression testing
* Used Git and GitHub for version control, while enhancing team collaboration.
* Validated API behavior using Postman and automated testing suites.
* Expanded test coverage using Cypress and Jest, which improved quality assurance and reduced regression bugs.
* Promoted continuous improvement through technical code reviews, while refactoring to reduce technical debt.
* Managed source code with SVN and Git, while implementing best practices for version control and branching strategies.
* Automated cloud provisioning with Terraform and Azure Bicep.
* Managed cloud infrastructure on AWS and Azure for ensuring scalable solutions for web applications.
* Configured and maintained Apache Tomcat servers to ensure optimal performance for web applications.
* Led development of an e-commerce platform in ASP.NET, which resulted in a 20% increase in sales conversions.
* Designed and implemented infrastructure-as-code solutions using AWS CDK to automate the deployment of cloud resources.
* Integrated third-party services like payment gateways and analytics tools into Ruby on Rails applications.
* Drove projects using Azure DevOps for CI/CD pipelines, issue tracking with Jira, and operational support via Remedy.

## **Full Stack Developer** Infuse.us | Bothell, WA | Jan 2018 – Mar 2021

* Designed and deployed Java, Spring Boot REST APIs for e-commerce subscriptions and real-time analytics.
* Implemented Spring Data JPA for PostgreSQL persistence and managed database versioning with Flyway.
* Used Spring Cloud + Config Server for managing distributed app configuration in multi-tenant SaaS systems.
* Created Kafka pipelines in Java for real-time health registry reporting using HL7 data standards.
* Built SaaS e-commerce software, from initial concept through to deployment and scaling designing multitenant architectures, ensuring data security, and implementing subscription-based billing systems.
* Coordinated cross-functional teams and managed project timelines, ensuring the successful delivery of high-impact solutions.
* Used modern JavaScript frameworks such as React, Vue, and Svelte to build dynamic, responsive front-end applications, ensuring seamless user experiences.
* Developed and maintained Blazor-based single-page applications, including UI enhancements and integration with existing systems using Svelte, Unity and Vue.js.
* Led the migration of company intranet and multiple WordPress subsites from on-premises CentOS servers to AWS.
* Built real-time health data pipelines using HL7 standards to streamline the integration of lab information systems with public health registries.
* Built secure, HIPAA-compliant RESTful APIs in Django for healthcare applications.
* Managed the setup of AWS services, including S3, RDS, and EC2, ensuring high availability and scalability.
* Used CSS frameworks like Bootstrap and Tailwind CSS to rapidly develop responsive, aesthetically pleasing user interfaces, ensuring consistent design across different devices and screen sizes.
* Used Python for data processing and manipulation, then pass the data to three.js for 3D visualization in the browser.
* Built ETL solutions in .NET using Entity Framework and ADO.NET to facilitate the extraction, transformation, and loading of data between disparate systems.
* Developed a high-performance web application using Golang and Ruby on Rails for the backend and ReactJS for the Frontend.
* Implemented Salesforce Lightning Components to enhance the user interface and improve overall user experience.
* Worked with Salesforce AppExchange for third-party tool integration and optimization.
* Enhanced frontend performance and user experience by optimizing JavaScript, CSS, and HTML code.
* Redesigned user interfaces using React, Angular, Svelte, Laravel, and Vue.js, resulting in a 25% improvement in page load times and overall user satisfaction.
* Introduced Drupal for extensive customization through modules, themes, and configurations.
* Leveraged the .NET SDK provided by Temporal to define workflows and activities using C#.
* Introduced and integrated new testing frameworks such as Jest and Cypress, increasing code reliability and reducing bug rates by 30%.
* Implemented automated testing procedures to ensure consistent application quality.
* Developed custom plugins and themes for WordPress and Shopify, providing tailored solutions for clients and enhancing website functionality.
* Created dynamic, responsive designs that improved user engagement and conversion rates.
* Implement machine learning algorithms in Python and use them to generate or analyze 3D models, then visualize the results using three.js.
* Developed RESTful APIs with secure access controls, leveraging Vault's dynamic secrets for short-lived credentials and secure API communication.
* Designed and integrated GraphQL APIs to streamline data retrieval and improve performance for React and Vue-based frontends.
* Conducted comprehensive data analysis using tools like Google Analytics and custom reporting systems.
* Generated actionable insights into marketing campaigns, leading to a 15% increase in campaign effectiveness and ROI.
* Designed and developed interactive reports and dashboards in Power BI, utilizing a variety of visualizations such as charts, tables, maps, and KPIs.
* Deployed and managed applications in Kubernetes clusters, ensuring high availability and scalability.
* Configured gateway ingress and egress rules for managing traffic and ensuring secure access.
* Managed deployment pipelines and version control systems using Git and GitHub.
* Implemented best practices for code branching and merging, streamlining the release process and enhancing team collaboration.
* Developed and executed unit tests with C++ to ensure application stability and performance.
* Managed CI/CD pipelines and version control using GitLab.
* Developed custom WordPress plugins to integrate with third-party APIs.
* Worked with Figma for UI/UX design, collaborating with designers and stakeholders.

## **Software Developer** Jelvix | Seattle, WA | Oct 2015 – Nov 2017

* Built and deployed scalable web applications using TypeScript, React, and Next ensuring high performance and smooth user experience for HR, finance, and legal departments.
* Developed responsive UI components using Tailwind CSS for ensuring a consistent design system across web applications.
* Integrated Ant Design components in a client-facing dashboard project for a polished, enterprise-grade UI/UX.
* Developed and implemented responsive Web Forms using ASP.NET, C#, and HTML for enhanced user interaction.
* Optimized front-end interfaces using JavaScript, XHTML, and CSS for improved user experience and performance.
* Integrated Turbo with React, Angular, and Vue.js for dynamic user experiences.
* Developed scalable user interfaces for cross-platform functionality in web and mobile applications.
* Conducted cross-browser testing to ensure functionality consistency, reducing support issues by 25%.
* Developed scalable web applications using JavaScript, React, Node.js, and Python frameworks like Django and Flask, focusing on RESTful APIs.
* Architected high-performance backend services with Go, Django, and Node.js for scalability and reliability, integrated with frontend frameworks and databases.
* Built robust, reactive systems with Spring Boot in Java, while integrating seamlessly with external services through RESTful APIs.
* Developed scalable, back-end services and APIs using Java, ensuring high performance and reliability for distributed systems.
* Built scalable, back-end services and APIs using Laravel to ensure seamless data communication between front-end and back-end.
* Designed and implemented a microservices architecture in .NET to improve system scalability and reduce downtime by 30%.
* Built and deployed Java applications on AWS and Kubernetes using Docker for containerization.
* Optimized backend services in PostgreSQL, MySQL, and MongoDB.
* Wrote and optimized complex MSSQL stored procedures and functions, enhancing performance and reliability of claims and insurance systems.
* Architected a fintech application database, optimizing query execution times by 45%.
* Migrated legacy databases to cloud-based solutions, increasing system capacity by 50%.
* Built data pipelines with Python, Pandas, NumPy, and Spark SQL for high-volume data processing.
* Managed large-scale data processing and ML projects using TensorFlow, PyTorch, Spark, and MLlib.
* Deployed web applications on Apache Tomcat, focusing on security and performance.
* Automated CI/CD pipelines with Jenkins, GitHub Actions, and AWS for seamless deployments.
* Applied Azure Kubernetes Service to orchestrate microservices.
* Deployed Java applications on AWS and Kubernetes using Docker for containerization.
* Automated testing processes with Pytest and integrated with them into CI/CD pipelines to validate code quality.
* Designed a scalable .NET test automation framework, reducing manual testing efforts by 50%.
* Built custom Laravel modules to streamline business processes, improving efficiency by 25%.
* Developed scalable RESTful APIs using Laravel and integrated REST APIs for AI training data input, improving efficiency.
* Designed scalable APIs with GraphQL and TRPC to streamline developer workflows and improve system performance.
* Streamlined CI/CD processes with Jenkins to accelerate delivery cycles and reduce manual tasks.
* Managed version control with SVN and integrated changes across teams.
* Led a team to build an inventory management system in .NET, improving departmental efficiency by 40%.
* Created and maintained Confluence documentation, improving knowledge sharing and reducing onboarding times.
* Migrated a legacy system to AWS Lambda, reducing costs and improving processing.

# EDUCATION

## **Bachelor of Degree, Computer Science**

Boise State University, Boise, ID  
Feb 2011 - Sep 2015

# LANGUAGES

* **English:** Native
* **French**: Conversational
* **Mandarin**: Conversational