

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.
- Applied 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