

REY L.

Senior Software Engineer | Full-Stack • Cloud & DevOps • AI/ML & NLP • Shopify & WordPress Expert

Loquinariorey@gmail.com • <https://www.linkedin.com/in/workinglance/> • Philippines

Summary

Innovative and results-driven Senior Full-Stack Software Developer with over 8 years of hands-on experience designing and developing robust web systems. Specialized in Full-Stack Development, Cloud & DevOps, AI/ML, and NLP, I have built and scaled applications for industries including eCommerce, SaaS, and Fintech. With expertise in Shopify and WordPress development, I have delivered powerful platforms and seamless integrations. Adept at building cloud-native architectures using AWS, Azure, and GCP, and leveraging Node.js, React, Vue.js, Python, and Java. Passionate about clean code, system scalability, and creating intuitive, high-performance web applications.

Skills

JavaScript • TypeScript • Python • PHP • Ruby • Go • React • Vue.js • Next.js • Angular • TypeScript • JavaScript • Tailwind CSS • Material UI • Bootstrap • HTML5 • CSS3 • jQuery • WebSockets • GraphQL • Shopify Liquid • WordPress • Node.js • Express.js • Python • Flask • Django • Java • Spring Boot • .NET Core • PHP • Laravel • Ruby on Rails • Go • REST APIs • Microservices • PostgreSQL • MySQL • MongoDB • Redis • SQL Server • Firebase • DynamoDB • TensorFlow • PyTorch • Scikit-learn • Pandas • NumPy • Natural Language Processing • ChatGPT • LangChain • BERT • GPT-3 • OpenAI API • AWS Lambda • AWS S3 • AWS EC2 • AWS RDS • AWS API Gateway • Azure App Services • Azure Functions • GCP Firestore • GCP Cloud Functions • Docker • Kubernetes • Terraform • CI/CD • GitHub Actions • CircleCI • Serverless Architecture • AWS Amplify • Shopify API • WordPress Development • Shopify Plus • Payment Gateway Integration • SEO Optimization • GraphQL • JWT • OAuth2 • Design Patterns • Agile Development • Git • Docker Compose • Microservices

Education

University of Toronto

Bachelor's degree, Computer Science

09/2010 - 05/2014

Experience

Qualcomm

Senior Software Engineer

San Diego, CA

04/2022 - Present

- Designed AI/ML pipelines for IoT edge devices using Python, TensorFlow, and ONNX.
- Created full-stack dashboards with React, Redux, and Django REST API.
- Built cross-platform internal tools in Electron.js for system simulation and data visualization.
- Worked closely with hardware engineers to implement firmware APIs in C++ and bind to frontend.
- Scaled internal DevOps infrastructure using Kubernetes, Istio, and AWS Fargate.
- Conducted NLP experiments with Hugging Face Transformers for voice-to-text systems.
- Built testing and benchmarking frameworks for smart chipsets.
- Published three technical white papers on AI inference optimization.
- Optimized AI models for mobile deployment, leveraging TensorRT and Core ML.
- Led knowledge-sharing sessions across engineering teams in US and APAC.
- Implemented data lake using AWS Glue, Athena, and S3.
- Built web UI and plugins for internal CMS using Vue.js and Tailwind CSS.
- Conducted advanced debugging using Chrome DevTools, Wireshark, and Postman.
- Collaborated with Qualcomm Ventures on startup integration projects.
- Assisted recruiting efforts by creating code challenges and interview flow.
- Worked with legal and compliance to review AI data governance protocols.

Experience

Modsy

United States

Senior Software Developer

09/2018 - 03/2022

- Led a cross-functional team to develop 3D-powered eCommerce tools using React, Three.js, and WebGL.
- Built and maintained REST and GraphQL APIs in Node.js and Express to serve the 3D engine.
- Designed scalable infrastructure using AWS Lambda, S3, and CloudFront.
- Introduced AI-based image tagging and furniture recognition using TensorFlow.js.
- Revamped checkout experience with Next.js and Shopify Plus, boosting conversion by 18%.
- Integrated analytics and heatmaps using Mixpanel and Hotjar.
- Spearheaded SEO optimization strategy for product catalog using server-side rendering (SSR).
- Mentored junior engineers and led monthly tech deep-dives on AI/ML concepts.
- Migrated legacy WordPress blog to headless WordPress REST API and rebuilt frontend with Gatsby.js.
- Introduced GitHub Actions for test + deploy automation.
- Implemented OpenAI API for AI-powered product recommendations.
- Re-architected media storage to AWS S3 Glacier for cost efficiency.
- Created staging environments on-demand with Terraform and Docker Swarm.
- Built a customer service chatbot using Rasa NLP and Twilio Flex.
- Presented quarterly updates to stakeholders with live product demos.

TouchBistro

Toronto, Canada

Full Stack Developer

06/2015 - 08/2018

- Built scalable web solutions for restaurant POS systems using Vue.js, Next.js, and TypeScript.
- Developed backend services in Go, Node.js, and Python for inventory, billing, and table management modules.
- Managed deployments using Kubernetes and Docker in AWS EKS.
- Set up log tracking and real-time alerts using Prometheus and Grafana.
- Integrated Twilio, SendGrid, and Stripe APIs for messaging and payments.
- Co-led the migration of monolith to microservices architecture with Kafka for real-time event handling.
- Refactored admin panel with React Admin and dynamic roles-based access controls.
- Built NLP-powered chatbot for customer onboarding using Dialogflow and FastAPI.
- Participated in performance tuning, reducing page load time by 60%.
- Led workshops on writing scalable and testable code using SOLID principles.
- Integrated Shopify storefront API for e-commerce features inside POS.
- Maintained code quality with SonarQube and internal linting pipelines.
- Contributed to WordPress plugin API that linked POS data with client websites.
- Conducted A/B testing for menu UI with Google Optimize.
- Documented design systems and reusable components in Storybook.

Applied Systems

Mississauga, Canada

Software Engineer II

06/2014 - 05/2015

- Designed and developed responsive web interfaces using React.js, Bootstrap, and Sass for insurance SaaS products.
- Maintained and refactored legacy code in .NET and jQuery, gradually migrating to modern Node.js architecture.
- Integrated third-party APIs for real-time insurance quoting and customer analytics.
- Automated business workflows and reporting tools with Python and PostgreSQL, improving reporting speed by 40%.
- Worked closely with QA teams to introduce automated testing pipelines using Jest, Cypress, and Selenium.
- Deployed applications to AWS EC2 and managed resources via Elastic Beanstalk.
- Created documentation and onboarding guides for new engineers.
- Collaborated cross-functionally in daily Agile standups and bi-weekly sprints.
- Enhanced UI/UX accessibility based on WCAG 2.1 standards.
- Implemented Shopify Buy SDK for insurance merchandise portal.
- Mentored two junior developers on full-stack development practices.
- Wrote CI/CD pipelines using GitHub Actions and Docker Compose.
- Spearheaded internal tool development with Electron.js.
- Created cron jobs with Node.js to sync external lead generation data.
- Advocated DevOps culture by integrating observability tools like Datadog.