

Moises Romero

Software Engineer | moisesromero.com | contact@moisesromero.com | 408.387.4286

SUMMARY

Principal full-stack & distributed systems engineer with deep expertise designing and scaling cloud-native, high-traffic applications. I specialize in NodeJS, TypeScript, and modern web ecosystems (React, Next.js, Angular, Vue, Express, NestJS), with strong command of HTML5, CSS, and performance-forward architecture.

I've architected distributed systems requiring massive concurrency, efficient algorithms, and resilient infrastructure—building solutions that support rapid growth and extreme load. My recent work centers on full-stack cloud engineering, driving CI/CD automation, code quality, and cross-team technical strategy.

My backend experience also includes Java, Python, Kotlin, and scalable API development using GraphQL, REST, and WebSockets, backed by SQL (MySQL, Postgres, SQL Server) and NoSQL (MongoDB, DynamoDB, Hadoop) datastores. I bring broad exposure to testing (Jest, Cypress, Mocha, JUnit), CI/CD platforms (GitHub Actions, CircleCI, Jenkins, AWS CodeDeploy/Beanstalk), and end-to-end observability and documentation tooling.

With a background in graphic design, I uniquely bridge engineering and UX. Ensuring pixel-consistent execution, cross-team alignment, and polished user experiences. I thrive in collaborative environments, guiding teams toward scalable patterns, strong coding standards, and architectural clarity.

EXPERIENCE

Staff Software Engineer at Apollo GraphQL (12/'21 - Present)

My role is to design features of Apollo Studio with product owners and designers, then lead the development of these from concept to inception. Some other duties are to maintain existing functionality of Apollo Studio, enhance and monitor data ingestion, provide reporting tools and data to stakeholders and provide engineering customer support.

Cloud used: GCP, AWS

Top skills used: GraphQL, React, Angular, Vue, NextJS, Typescript, Node, Kotlin, Jest

Projects: Apollo Studio (studio.apollographql.com)

Senior Software Engineer at Warner Bros. Discovery | contractor (5/'21 - 12/'21)

My role was to make our systems resilient with a very small margin of error. Any discrepancies could result in major issues with customers' billing and catastrophic consequences for the company. I was tasked to implement and maintain systems with event driven architecture between microservices. Systems acquiring payments, calculating taxes, billing adjustments, account memberships, cancellations, refunds, and all billing matters. It is crucial to ensure the delivery of highly-tested algorithms and functionality.

Cloud: AWS

Top skills used: Typescript, NodeJS, Express, Cypress, Jest

Projects: HBO Max (hbomax.com)

Senior Staff Software Engineer at Walmart Global Tech (7/'19 - 5/'21)

I had 3 major roles in this organization. My role in ASDA was to incorporate new features on the client side and ensure data delivery through the various levels of infrastructure. My role in the infrastructure team was to convert the monolithic infrastructure of restful apis into graphql data. My role in Walmart Canada was to contribute to the site and provide a unified experience to the user on both sites.

Cloud: OneOps, AWS

Top skills used: GraphQL, Typescript, NodeJS, Express, React, Redux, Saga, Styled Components, Cypress, Jest

Projects: ASDA (asda.com), Walmart Canada (walmart.ca), Mexico (walmart.com.mx)

Senior Software Engineer at Atlassian (6/'17 - 7/'19)

My role was to develop the new version of Confluence Cloud and bring feature parity with existing Confluence. Then redesigning and modernizing the product along with the infrastructure and codebase was the task. My team also had the task to build tools around development experience, such as pipelines, engineering scripts, deployments, testing, linting, among others.

Cloud: AWS

Top skills used: Typescript, Flow, React, Redux, Emotion, NodeJS, Express, Cypress, Karma, Mocha, Webpack

Projects: Confluence Cloud (atlassian.com/confluence)

Software Architect at Amazon Lab 126 | contractor (12/'16 - 6/'17)

My role was to architect a centralized application that delivers cross-organization communication providing shared experiences through documentation, diagrams, documents, videos, and any other media. This application would provide a unified portal and widgets where teams can submit information about the development of their products. The goal was to avoid facing similar problems across product development and prevent product recalls.

Cloud: AWS

Top skills used: Typescript, Angular, NodeJS, Express, Protractor, Jasmine

Projects: Leveraging Lessons Learned (L3), Artificial Intelligence and Machine Learning

Application Engineer, eTouch Systems at Google | contractor (5/'16 - 12/'16)

My role was to develop new functionality for Internal tools focused on a product helping manage projects, and a separate product for network inventory management on top of google maps.

Cloud: GCP

Top skills used: Javascript, Angular, NodeJS, Express, Protractor, Jasmine

Projects: project management, inventory management.

Sr. Software Engineer at Cisco | contractor (1/'16 - 5/'16)

My role was to develop and enhance the user experience of a multi-cloud deployment system. Build components connected to backend websockets indicating the status of various systems and cloud deployments.

Top skills used: ExtJS, Sencha Touch, NodeJS, Express, Java

Projects: cloud management.

UI/UX Architect at Zebra Technologies | contractor (6/'15 - 1/'16)

My role was to design visual mockups of various sections of the application including dashboards, detail pages, charts, graphs, and widgets. Prototype user flows and main application experiences.

Top skills used: Adobe CS, Balsamiq, Angular, ExtJS, Sencha Touch, PhoneGap, Cordova, NodeJS, Responsive Web Design.

Projects: desktop and mobile analytics.

Development Manager at eBay (3/'14 - 6/'15)

My role as an architect: Maintain the integrity of existing features. Refactor stale code. Perform code reviews. Enforce unit testing coverage. Improve site speed and code performance. Design new features and API services. Investigate new technologies and build POC's with these. As a manager: Lead engineers through tight deadlines in the completion of new features. Improve metrics and achieve revenue goals. Communicate goals to business, product and marketing teams. Negotiate timelines and explain technical aspects to product owners. Innovate and build a robust, scalable platform supporting various countries, brands, and locales with traffic in the millions of hits per day. Build prototypes in various technologies including ReactJS, mustache, dust, underscore, phonegap for proof of concepts and technology evaluation. Improvement of our rest layer by developing a Node middle-tier API that improves performance using the multi-threaded capabilities of Node.

Skills used: angular, react js, node, express, mysql, mongo, selenium, mocha, jasmine, people management, scrum master, agile development, aws, confluence, jira.

Projects: classifieds platform, classifieds sites: ebayclassifieds.com, kijiji.ca, kijiji.tw, gumtree.com, gumtree.com.au, gumtree.co.za, gumtree.sg, alamaula.com, vivanuncios.com.

Senior Software Engineer at eBay (8/'11 - 3/'14)

My role was the development and design of a global classifieds framework supporting multiple countries, brands and locales with high traffic pages (in the millions of hits per day). Develop and implement breakthrough search technology. Engineer high availability APIs across multiple data centers for the usage of multiple sites and mobile apps. Review and enforce best practices in code, test coverage and documentation.

Top skills used: Angular, NodeJS, Express, Mustache, Handlebars, jQuery, Backbone, Dust, Javascript, Java, PHP, Spring MVC, Responsive Web Design, SASS, LESS, MySQL, Mongo, Jasmine.

Projects: Global Classifieds Platform, Classifieds Sites: ebayclassifieds.com, kijiji.tw, gumtree.com.au, intoko.kijiji.com.

Sr. Web Developer at Wells Fargo (9/'10 - 8/'11)**Software Developer at Cisco (2/'07 - 9/'10)****Web Developer at Creative Computer Services, Inc. (11/'02 - 2/'07)****Art Director at Property Pages (9/'00 - 11/'02)****Graphic Designer at Four Seasons Printing (5/1996 - 6/'00)**

EDUCATION

Master's degree, Graphic Design | Brooks College | 2000 - 2006

Bachelor's degree, Computer Science | Brooks College | 2000 - 2004