

Lenny Reed

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Summary

Principal Full-Stack & UI Engineer with expertise in React, Java, RESTful APIs, and responsive design. Strategic technical leader driving scalable, user-focused platforms while mentoring teams and setting architectural standards. Passionate about human-AI collaboration and AI-augmented development workflows, leveraging autonomous agents and generative AI to enhance software development and system design. Committed to clean, maintainable code and delivering high-impact solutions.

Skills

- **Front-End:** React, TypeScript, HTML5, CSS3, responsive/mobile-first design, Progressive Web Apps (PWA), UI/UX architecture, component libraries, React Admin frameworks
 - **Back-End:** Java, Spring Boot, C#, .NET, Node.js (Express, NestJs), RESTful APIs, database design, repository & facade patterns, Drools Rules, full-stack development
 - **Dev Tools & Practices:** Git, Bitbucket, Jira, Agile (Scrum/Kanban), code reviews, CI/CD pipelines, Docker, Jenkins, AWS, automated build, test and deploy
 - **Other / Leadership:** Mentorship, offshore/distributed team management, client engagement and training, technical strategy and architecture, human-AI collaboration, AI-augmented development workflows, autonomous agents, generative AI experimentation
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Professional Experience

BurstIQ — *Principal Full-Stack & UI Engineer*
July 2024 – Present | Denver, CO

- Led core platform development during a critical growth phase, initially focusing on Java Spring back-end systems to improve reliability and throughput while building full-stack expertise.

- Designed and implemented a flexible Java-based Data Pipeline (field mapping, JavaScript transforms, Drools Rules), enabling end-to-end, customizable workflows.
- Took ownership of the flagship React admin tool and the “Astellas” React app, stabilizing, enhancing, and delivering projects while managing distributed teams.
- Transitioned to front-end leadership on React projects, re-architecting stalled offshore-built apps for scalability and improved maintainability.
- Served as tech lead for a key EMS project, providing full-stack development, client training on Graph and blockchain concepts, and coordinating distributed contributors.
- Designed the next-generation admin UI platform and pioneered human/AI-augmented development workflows, integrating autonomous agents to accelerate delivery, improve code quality, and enhance team efficiency.
- Tech Stack: Java, Spring Boot, Graphchain, React, TypeScript, RESTful APIs, Agile (Jira), Bitbucket

Solterra Workshop — *Founder, CEO / Artist / Technologist*

July 2023 – July 2024

- Launched and managed a successful technology-driven laser art business, combining creative design with advanced manufacturing technologies.
- Designed, developed, and delivered products while overseeing product strategy, marketing, inventory, supplier relationships, and customer engagement.
- Managed financial forecasting, hiring, and operations, integrating technical innovation with hands-on craftsmanship.
- url: solterraworkshop.com
- Tech Stack: CNC and Laser technologies, CAD software, e-commerce platforms, inventory and financial management tools

BurstIQ — *Team Lead / Senior UI Developer*

Oct 2019 – Jul 2023 | Denver, CO

- Led front-end development team for blockchain-based applications, migrating key systems from Angular to React and improving maintainability and scalability.
- Mentored junior developers, coordinated distributed on-site and offshore teams, and collaborated with business stakeholders to deliver high-priority projects on time.
- Developed React Admin UI, prototypes, and responsive design solutions, serving as principal developer on company-critical initiatives.
- Contributed to front-end architecture, integrating RESTful APIs and ensuring cohesive system design.
- Tech Stack: React, TypeScript, JavaScript, Angular, HTML5, CSS3, RESTful APIs, Jira, Agile/Scrum

Transamerica — *Manager, Software Engineering*

Jul 2018 – Oct 2019 | Denver, CO

- Led development of the Advisor Experience portal, supervising 5 direct reports across 3 functional teams and ensuring timely, high-quality delivery.
- Designed and implemented advanced UI features, including faceted search, Redux/NGRX state management, and JWT authentication, alongside server-side APIs using Node, Express, and NestJs.
- Architected Docker/Jenkins pipelines for automated build, test, and deployment to AWS S3, improving CI/CD efficiency and system reliability.
- Tech Stack: Angular, Node.js, Express, NestJs, Redux/NGRX, JWT, Docker, Jenkins, AWS, Jira

Pinnacol Assurance — *Software Developer III / UI Team Lead*

Feb 2017 – Jun 2018 | Denver, CO

- Served as principal developer and architect for an internal Angular component library and Certificates of Insurance / Customer Onboarding projects, improving consistency and maintainability across applications.
- Developed SASS/CSS styling libraries, standardized coding practices, and implemented CI/CD pipelines using Jenkins and Docker, enhancing deployment efficiency and reducing errors.
- Mentored junior developers and reduced technical debt through Git repository consolidation and code review best practices.
- Tech Stack: Angular 2–5, SASS/CSS, Jenkins, Docker, JavaScript, HTML5, CSS3, Jira

Aspenware — *Sr. Consultant / Developer / Contractor*

Feb 2015 – Feb 2017 | Denver / Colorado Springs, CO

- Delivered multiple projects for high-profile clients, including the US Olympic Committee (USOC) and Inspirato, leading front-end and back-end development.
- Developed Angular (1–5) and MVC web applications, including search/map systems, registration modules, health insurance platforms, and athlete portals.
- Built RESTful APIs with WebAPI 2, modular components, directives, and reusable UI elements to improve maintainability and scalability.
- Led small teams, mentored junior developers, and trained client staff on system usage and best practices.
- Developed mobile web features with filtering, sorting, custom calendars, and swipe support to enhance user experience.
- Tech Stack: Angular 1–5, JavaScript, TypeScript, MVC, WebAPI 2, Bootstrap, Sitecore, HTML5, CSS3, RESTful APIs, Jira