

Luka Berg

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SUMMARY

Senior Frontend Software Engineer with eight years building scalable **customer-facing applications** and full-stack services for retail and digital commerce organizations. Creates responsive React and **Next.js** experiences with Redux, Context, hooks, modular component architecture, JavaScript, HTML, and CSS, then connects them with Node.js services, RESTful APIs, and GraphQL. Hands-on work spans PostgreSQL, MySQL, MongoDB, schema design, **query optimization**, transactions, AWS, Docker, Kubernetes, Mocha, JUnit, Git, and **test-driven development**. Brings calm analytical problem-solving to demanding releases, explains tradeoffs clearly, and works closely with product managers, designers, QA engineers, and business partners. Eager to join SummitCart Technologies and contribute thoughtful engineering leadership across customer experiences, e-commerce platforms, and high-availability services.

EXPERIENCE

Senior Frontend Software Engineer

June 2023 - Present

Harborline Commerce

Austin, TX

Owns frontend architecture for a multi-brand retail storefront and supporting Node.js services. Leads React and Next.js delivery across customer journeys, API integrations, performance work, testing standards, and architecture decisions. Partners with product, design, QA, merchandising, and operations teams while mentoring a six-engineer group.

- Directed Next.js, **React**, TypeScript, **Redux**, and responsive component architecture for a multi-brand storefront, creating reusable patterns across web and mobile breakpoints.
- Reworked checkout state transitions and **GraphQL** loading across cart, promotion, and fulfillment flows, reducing inconsistent order summaries and clarifying release acceptance decisions.
- Designed **Node.js** services and RESTful integrations for inventory and customer profiles, using schema validation and secure service boundaries across AWS workloads.
- Diagnosed peak-season listing delays through tracing and query plans, refining **PostgreSQL** indexes and **MongoDB** access patterns without disrupting customer workflows.
- Established Mocha and JUnit testing conventions with API contract coverage, improving pull-request readiness and release confidence within Scrum delivery.
- Led architecture reviews, code reviews, and performance retrospectives for six engineers, translating technical tradeoffs for design, QA, merchandising, and operations partners.

Frontend Software Engineer

February 2021 - May 2023

Pinecrest Market Systems

Dallas, TX

Delivered React and Next.js features across eight retail storefronts, connecting customer-facing interfaces with event-driven Node.js services and partner APIs. Combined database modeling, containerized environments, automated testing, and Kanban planning to improve release quality and feature consistency.

- Delivered React and **Next.js** catalog search, product detail, and account experiences across eight storefronts, using hooks, **Context**, and modular CSS for consistent behavior.
- Implemented **event-driven** Node.js services that synchronized pricing and availability through RESTful and GraphQL endpoints, adding retry handling for intermittent partner responses.
- Modeled **PostgreSQL** transaction workflows for saved carts and MongoDB documents for browsing preferences, giving QA and support teams clear schema and query documentation.
- Containerized local and test environments with **Docker** and supported **Kubernetes** deployment manifests, helping engineers reproduce integration defects before sprint demonstrations.
- Built Mocha unit suites and frontend fixtures for search filters, authentication states, and checkout errors, catching regressions before QA handoff.
- Facilitated pull-request reviews and Kanban planning for a three-person feature pod, clarifying acceptance criteria and explaining implementation constraints to business partners.

JavaScript Frontend Developer

July 2019 - January 2021

Redwood Digital Retail

Denver, CO

Built responsive account, order-tracking, and recommendation experiences for digital retail customers. Connected React interfaces with RESTful services, third-party shipping APIs, Node.js middleware, and MySQL workflows. Supported Scrum delivery through testing, Git review practices, technical documentation, and clear communication with design, QA, and support.

- Created responsive customer account and order-tracking interfaces with **JavaScript**, React, **HTML**, and CSS, replacing duplicated page patterns with a documented component library.
- Connected customer workflows with RESTful services and third-party shipping APIs, adding loading, validation, and failure states that clarified delivery updates.

- Developed Node.js middleware for session and order-history requests, separating service concerns and preparing application architecture for later GraphQL adoption.
- Tuned **MySQL** queries supporting account history and recommendations through execution plans and transaction boundaries, improving consistency under concurrent requests.
- Added Mocha coverage for reducers, **hooks**, API adapters, and formatting utilities while applying **test-driven development** on new customer-facing features.
- Used Git branching and **pull requests** within Scrum, presenting work during sprint reviews and recording technical decisions for designers, QA engineers, and support analysts.

Associate Frontend Developer

Northstar Web Studio

August 2018 - June 2019

Boulder, CO

Built accessible frontend components for small-business retail and service websites under senior engineering guidance. Contributed React interfaces, Node.js REST endpoints, Mocha tests, Git workflows, and browser troubleshooting across concurrent client projects. Presented fixes during Scrum reviews and documented implementation behavior for continued team support.

- Built accessible JavaScript, HTML, and **CSS** components from approved wireframes, producing responsive pages across common browsers for **retail** and service clients.
- Implemented React product galleries, navigation states, and form validation under senior review, documenting behavior so later enhancements stayed consistent.
- Created **Node.js** REST endpoints for catalog and contact forms, applying input validation and structured error handling in a shared development environment.
- Wrote introductory **Mocha** tests for UI utilities and API handlers, using failures to refine edge-case behavior before demonstrations and client review.
- Used **Git** branches and pull requests for incremental changes, incorporating review feedback and maintaining clean commit history across concurrent client projects.
- Investigated layout, API, and database issues with senior engineers, communicating reproduction steps and presenting completed fixes during weekly **Scrum** reviews.

PROJECTS

Omnichannel Cart Reliability Initiative 📅 2024

Partnered with product and QA stakeholders on a separate cart reliability initiative that mapped RESTful and GraphQL data paths, reviewed transaction behavior, and documented recovery states. Clearer ownership helped teams discuss customer impact early and release changes with greater confidence.

Retail Performance Observability Toolkit 📅 2022

Created a practical performance toolkit combining application tracing, PostgreSQL query plans, MongoDB access reviews, and Node.js load checks. Shared findings in plain language, helping engineers and business partners agree on focused fixes for high-traffic customer journeys.

LEADERSHIP & AWARDS

- Dean's List, University of Colorado Denver, 2017
- Computer Science Department Outstanding Capstone Presentation, 2018
- Frontend Architecture Peer Recognition, Harborline Commerce, 2024

EDUCATION

Bachelor of Science in Computer Science

University of Colorado Denver GPA: 3.8

2018

Denver, CO

Coursework: Data Structures, Database Systems, Web Application Development, Software Engineering

CERTIFICATIONS

- AWS Certified Developer - Associate 📅 2024
- Professional Scrum Master I 📅 2023

TECHNICAL SKILLS

- **Frontend Frameworks:** React, Next.js, Redux
- **Frontend Languages:** JavaScript, TypeScript, HTML
- **Styling Systems:** CSS, Responsive Design, Modular CSS
- **Backend Development:** Node.js, Java, Event-Driven Services

- **API Technologies:** RESTful APIs, GraphQL, Third-Party APIs
- **Relational Databases:** PostgreSQL, MySQL, Transactions
- **NoSQL Databases:** MongoDB, Document Modeling, Query Optimization
- **Cloud Platforms:** AWS, Azure, Google Cloud Platform
- **Containers and Orchestration:** Docker, Kubernetes, Containerization
- **Testing Frameworks:** Mocha, JUnit, PyTest
- **Version Control:** Git, Branching, Pull Requests
- **Agile Delivery:** Scrum, Kanban, Sprint Planning
- **Engineering Practices:** Test-Driven Development, Code Reviews, Continuous Improvement
- **Application Security:** API Security, Schema Validation, Secure Data Flow
- **Architecture Patterns:** Component Architecture, Scalable Services, Responsive Design

SKILLS

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|--------------|----------------|--------------|-------------------|
| • React | • Node.js | • MongoDB | • Git |
| • Next.js | • RESTful APIs | • AWS | • Scrum |
| • JavaScript | • GraphQL | • Docker | • Problem Solving |
| • TypeScript | • PostgreSQL | • Kubernetes | |

PROFESSIONAL AFFILIATIONS

- Frontend Study Group Mentor, University of Colorado Denver, 2017 - 2018
- Volunteer Web Developer, Denver Code for Community, 2018
- Member, Austin JavaScript and React Engineering Community, 2023 - Present

LANGUAGES

- English (Native)
- German (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST