

RYAN LECOURS

Senior Software Engineer – Frontend / Full-Stack

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SUMMARY

Senior software engineer with 7+ years of full-stack experience spanning React, Node.js, GraphQL, AWS, and CI/CD pipelines. Passionate about building scalable systems and developer workflows that drive performance, reliability, and exceptional user experiences. Proven track record of reducing build times by 91%, pioneering monorepo architectures with extensive shared packages and internal plugins, and delivering globally used APIs that enable rapid, high-quality feature delivery. Driven to create user and developer experiences that are seamless, efficient, and enjoyable.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, JavaScript (ES6+), React, Vue (v2–3), Angular (v4–12), Node.js, Java (Spring Boot), Python, C#

DevOps & Cloud: AWS (Lambda, S3, EC2, CloudWatch), Azure, Docker, Jenkins, GitHub Actions

Testing: Jest, Cypress, React Testing Library, JUnit

Architecture & Tools: Monorepos (NX, Yarn Workspaces), GraphQL (Apollo Federation), Webpack, CI/CD

Practices: Accessibility (a11y), Agile, Paired Programming, Test Driven Development, Code Reviews

EXPERIENCE

DCS Corporation — Remote

Software Engineer III

May 2023 – Present

Team Bacon

- Built and maintained modular **React + TypeScript** front-end packages in a secure monorepo for flight-planning software, powering map-layer rendering, geospatial overlays, and interactive drawing tools.
- Implemented **RxJS-based asynchronous logic** and reusable state-management patterns to enhance performance and maintainability.
- Led front-end standards for styling, component architecture, and testing; mentored engineers and maintained **>95% unit-test coverage** using Jest and React Testing Library.
- Owned code reviews focused on clarity, performance, and scalability, driving consistent engineering practices across multiple teams.
- Collaborated closely with product managers and designers to refine user flows and ensure seamless, user-centric experiences.

Team Chimi

- Sole developer of a reusable **React + TypeScript** time-input component used by 4+ teams across 3 applications to manage HH:MM:SS and MM:SS formats for arrival, dwell, and departure estimates.
- Delivered the feature weeks ahead of schedule with full Cypress and Jest coverage, improving UX consistency across multiple applications.

Team Dragonfruit

- Embedded as the first DCS engineer on **Northrop Grumman's CI/CD enablement team**.
- Integrated Azure Blob Storage for monorepo build caching, cutting commit build times by **~91% (~50 minutes per build)**.
- Built **Grafana dashboards** to visualize pipeline performance and pinpoint bottlenecks.
- Introduced **unit testing for Jenkins pipelines** and refactored build logic for reliability and maintainability.

Initiatives Beyond Core Teams

- Selected for the "CD Extreme" task force to accelerate continuous-deployment adoption across DCS projects.
- Represented DCS as the sole technical contributor on a major government contract proposal based on deep expertise in cloud architecture and full-stack development.
- Partnered with product and design teams in agile sprints to deliver secure, responsive applications in dynamic environments.

Fidelity Investments — Merrimack, NH

Associate Software Engineer → Software Engineer → Senior Software Engineer

June 2018 – May 2023

- Designed, built and maintained multiple **Vue 2/3** and **Angular 12** client applications focused on responsive, accessible, and performance across benefits and expense-management platforms.
- Developed and deployed **GraphQL subgraphs** using **Node.js** and **Apollo Federation**, released as **AWS Lambda functions** to power real-time financial workflows.
- Drove near-complete test coverage across front-end and back-end codebases using **Jest**, **Jasmine**, **Cypress** and **JUnit**, ensuring reliability and regression prevention.
- **Led the chapter-wide migration of 72 applications** from Bitbucket to GitHub, authoring a detailed migration process with custom Jenkins pipelines that preserved production reliability and enabled teams in multiple time zones to transition without missed deployments.
- Modernized legacy **Java Spring Boot REST APIs** into **GraphQL microservices**, enhancing scalability and developer ergonomics.
- Piloted **accessibility (a11y)** initiatives across multiple applications to ensure compliance and improve usability for all users.
- Mentored junior developers, led technical interviews, and was selected for **Fidelity's LEAD engineering-leadership program**.
- Initiated and hosted recurring **learning-day sessions** to mentor engineers of all experience levels on **Vue, Node.js, GraphQL, and modern CI/CD practices**.
- Graduated from Fidelity's **LEAP Program** — a 3-month immersive in Angular, Java, Agile delivery, and full-stack capstone development.

EDUCATION

University of Massachusetts Amherst - Amherst, MA • B.S. Computer Science - May 2018

INTERESTS

Mountain Biking, Backcountry Snowboarding, Videography, Volleyball, Skateboarding