Benjamin Eppinger

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Summary

Staff-level Software Engineer with **7+ years of experience** delivering high-quality mobile and web solutions using **React, Node.js, and GraphQL**. Skilled in **full-stack development**, real-time workflows, push notifications, and modern tools like Zustand, Highlight.io, and LogRocket. Strong leadership in system architecture, cross-functional teams, and IT operations, with a focus on **seamless UX** and secure, scalable deployments. Seeking to drive impact in a fast-paced, collaborative environment through innovative, **user-focused products**.

Work Experience

Scythe Robotics

Staff Software Engineer, Mobile/Web & IT Operations / Longmont, CO / Jan 2023 - Jan 2025

- **Architected and led development** of a mission-critical cross-platform Ionic **React** mobile application enabling real-time tracking, control, and diagnostics for hundreds of autonomous mowers across the U.S.
- Built full-stack features using **TypeScript, Zustand, GraphQL, and RESTful APIs**, ensuring high-availability and performance under fleet-scale loads.
- Designed and deployed secure, device-agnostic OAuth & 2FA authentication flows to accommodate operators in variable field conditions, enhancing accessibility and enablement of non-traditional login mechanisms.
- Streamlined provisioning and infrastructure automation, **reducing developer onboarding time by 80%** and slashing **hardware costs by 66%** via scalable, scripted setups and strategic sourcing.
- Led IT operations across 4+ office locations and remote test sites, improving network reliability, access controls, and monitoring systems.
- Drove cross-functional alignment between **Product, Engineering, Manufacturing, and IT**, unifying system architecture and accelerating feedback loops across deployment, support, and debugging.
- Mentored engineers and championed internal tooling improvements, raising **developer velocity** and **code quality** across mobile, robot software, and infrastructure teams.

Liberty Mutual Insurance

Software Developer - US Claims / Boston, MA / Jul 2021 - Jan 2023

- Developed and maintained a **full-stack React + Node.js web application** to streamline property and auto claim workflows used by thousands of policyholders daily.
- **Onboarded and mentored a newly formed claims development team**, accelerating ramp-up and improving team velocity.
- Migrated legacy systems to serverless AWS Lambda APIs using REST and GraphQL, cutting infrastructure maintenance and improving scalability.
- Optimized CI/CD pipelines and internal tooling, **boosting release efficiency by 30%** and reducing deployment friction across teams.

Liberty Mutual Insurance

Associate Software Developer / Boston, MA / Feb 2020 - Jul 2021

- Developed **reusable code patterns** and best practices adopted by 1,000+ internal developers, improving consistency across teams.
- Advanced an internal self-service ecosystem that enabled engineers to generate fully deployed, functional **applications via a web interface in minutes**.
- Contributed to a company-wide Kubernetes migration, improving scalability, deployment speed, and operational resilience.

Liberty Mutual Insurance

TechStart Software Developer & Team Lead / Boston, MA / Jun 2019 - Feb 2020

- **Led a React-based platform project** that optimized SMS messaging workflows for customer care representatives communicating with policyholders.
- Designed a Bamboo CI/CD pipeline enhancement that **reduced commit processing time by 10 minutes per commit**, accelerating development cycles for both my team and all future cohorts.

Education

Pennsylvania State University / University Park, PA / May 2019

Master of Science, Information Sciences and Technology / GPA: 3.79

- Specialized in **UX design**, **educational psychology, and human-computer interaction**.
- Completed **Master's & Bachelor's degrees concurrently in 4 years**

Pennsylvania State University / University Park, PA / May 2019

Bachelor of Science, Information Sciences and Technology – Design & Development / GPA: 3.76

Skills

Languages & Frameworks

- JavaScript (ES6+), TypeScript, React (incl. Native & Next.js), Node.js, GraphQL, REST, Python, Java, PostgreSQL, Redis, Angular, Vue, Ionic

UI/UX & Front-End

- HTML/CSS, Tailwind, Material-UI, Bootstrap, Figma, Wireframing, Prototyping, Photoshop, InDesign

Cloud & DevOps

- AWS (Lambda, S3, EC2), Docker, Kubernetes, CI/CD (GitHub Actions, GitLab, Bamboo, Jenkins), IaC, Vercel, Heroku, Android Studio, Xcode, App Store Connect, Google Play Console

Systems & Reliability

- TDD/BDD, Unit & Integration Testing, Postman, LogRocket, Highlight.io, Authentication, Access Control, Networking, VMs, Incident Response

Collaboration & Project Management

- Agile (Scrum/Kanban), SDLC, Jira, Confluence, Git, Code Reviews, Pair Programming, Stakeholder Communication

Hobbies

- 3D Printing – Building and selling fully-functional, custom-built electric guitars
- Indoor Rock Climbing – USA Climbing Level 2 Certified Volunteer Bouldering Judge
- Gold Panning / Ice Skating / Hockey