

Benjamin Eppinger

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Summary

With over 7 years of experience as a Software Developer, I most recently have specialized in React and Node.js, leading mobile app development and IT operations. That skill set includes orchestrating real-time data workflows, integrating push notifications, and leveraging modern tools like Zustand, Highlight.io, LogRocket, and AI systems to accelerate development, debugging, and overall app usability. I have a proven ability to quickly adapt to and master complex organizational structures and product ecosystems, using this understanding to build efficient and seamless user experiences that drive engagement and operational efficiency. I'm seeking a remote or hybrid role to leverage my skills in a fast-paced and healthy environment, contributing to innovative products that aim to make a difference in people's lives.

Work Experience

Scythe Robotics

Lead Front-End Mobile/Web Engineer | Longmont, CO | Jan 2023 - Jan 2025

- Fully developed a cross-platform mobile application using Ionic React, facilitating real-time tracking, monitoring, and management of autonomous mowers for landscaping companies.
- Integrated Zustand for state management, TypeScript, RESTful APIs, GraphQL, and GitLab CI/CD pipelines to streamline development and debugging, while enabling real-time synchronization and management of robot-mobile operational zones.
- Collaborated closely with the Head of Product to ensure consistency across the 'as-a-service' offering, prioritizing ease-of-use and a seamless user experience for landscaping clients.
- Coordinated cross-functional teams to deliver a customer-facing mobile solution compatible with evolving hardware.
- Scaled the application to support hundreds of autonomous mowers nationwide, providing robust performance and near real-time fleet management.
- Engineered unconventional authentication solutions for operators lacking traditional corporate identifiers, ensuring secure and continuous system access.

Head of Information Technology | Longmont, CO | Sep 2023 - Jan 2025

- Managed IT operations across four office locations and additional testing locations nationwide while maintaining responsibilities as lead developer for the mobile app.
- Resolved critical network and system connectivity issues, ensuring seamless operations.
- Automated developer and production line machine setup, reducing setup time from 3+ days to a few hours.
- Achieved a 66% reduction in hardware costs through strategic sourcing of higher-spec, higher-quality machines.
- Enhanced office productivity and coordination through advanced digital infrastructure and room signage and conferencing upgrades.

Liberty Mutual Insurance

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

- Developed a full-stack web application using React and Node.js to enhance property and auto claim management for policyholders.
- Within my first month on the team, I onboarded a newly formed "auto" team to the claims web application, providing training on architecture, coding standards, and feature development, which accelerated their productivity.
- Modernized application pipeline and tooling systems to improve efficiency and performance.
- Converted large legacy back-end systems to RESTful and GraphQL APIs using AWS Lambda.

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

- Developed software code patterns adopted by over 1,000 internal developers, integrating coding standards, proof of concepts, and testing best practices for multiple technologies such as Node.js, React, Java, AWS Lambda, and documentation systems.
- Enhanced the department's user feedback collection strategy during the development of an automated migration tool for transitioning Docker Swarm applications to Kubernetes.

TechStart Developer | Boston, MA | Jun 2019 - Feb 2020

- Led a team of developers to create a React-based platform, streamlining processes for in-field managers who relied on the SMS Connects messaging service for their teams of support agents.
- Devised a Bamboo CI/CD pipeline script that cut commit times by 10 minutes (per commit), collaborating with the CloudForge CI/CD team to roll out this solution organization-wide.

Education

Pennsylvania State University – University Park, PA

Master of Science, Information Sciences and Technology | May 2019

- Employed a research-driven approach to integrate educational psychology concepts and user experience design into software education, culminating in a Master's thesis that bridged technology, learning theory, and user-centric design.
- Completed both Master's and Bachelor's degrees concurrently, condensing a typical six-year academic path into just four years through advanced learning strategies and rigorous time management.

Bachelor of Science, Information Sciences and Technology – Design & Development | May 2019

Skills

Languages, Frameworks, and Libraries: Apollo, Bootstrap, GraphQL, Ionic, Java, JavaScript/TypeScript (React, Angular, Vue), Material-UI, Node.js, Python 3, Tailwind CSS

Tools: Android Studio, App Store Connect/Google Play Console, AWS (Lambda, S3, EC2), Bamboo, Confluence, Docker, Figma, Git Version Control, Git, GitLab/GitHub CI/CD, Highlight.io Metrics, InDesign, Infrastructure as Code (IaC), Jenkins, Jira Service Desk, Kubernetes, LogRocket, Postman, Prototyping, Virtual Machines (VMs), Wireframing, XCode, 3D Printing

Practices and Methodologies: A/B Testing, Access Control, Agile Development, Authentication, Backlog Grooming, BDD (Behavior-Driven Development), Code Reviews, Cross-Functional Collaboration, Exploratory Testing, Incident Response, Kanban, Network Management, Mobile App Testing, Paired Programming, Project Management, Responsive Design, Scrum, SDLC (Software Development Life Cycle), Sprint Planning, Stakeholder Management, Systems Analysis, TDD (Test-Driven Development), Technical Writing, Unit Testing, User Acceptance Testing (UAT), User-Centered Design, User Story Writing, UX/UI Design, UX/HCI