Mark Ellis

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summary

Forward-thinking Software Engineer with 8 years of experience driving all phases of the software development life cycle, including requirements analysis, design, development, and implementation. Demonstrated history of collaborating effectively with cross-functional teams to deliver projects on time and within budget. Adept at leveraging Agile methodologies and CI/CD practices to optimize development processes. Skilled at tackling complex technical challenges with innovative solutions, leveraging both technical expertise and strategic vision. Committed to driving continuous improvement and delivering high-quality software solutions.

experience

Grubhub   *Sep 2024 → Present*
Senior Software Engineer (Chicago, IL)

→ Contributed front-end search features to grubhub.com using **React**, **Typescript**, **Datadog**, and **AWS**

Indeed   *Sep 2022 → May 2024*
Senior Software Engineer (Remote)

→ Helped migrate email-based messaging system to real-time messaging platform, resulting in **streamlined workflows across 100+ pilot users**. React, Kotlin, Spring Boot, Express.js, NoSQL, Kafka, gRPC, Apollo GraphQL
→ **Greatly mitigated legal risk** by implementing React front-end messaging platform features and bug fixes
→ Orchestrated the development and deployment of a **critical cross-team backend messaging feature**, fixing a broken messaging workflow **impacting 25% of all employer users**
→ **Served as on-call first responder on a rotating basis**, resolving production issues, scaling AWS and MongoDB infrastructure, and improving Datadog application monitoring and alerting

Niantic   *Mar 2022 → Jul 2022*
Software Engineer (Remote)

→ **Contributed full stack features** to external and internal Google Cloud Platform web applications using React, Angular, Node.js, Groovy, BigQuery, and Google Spanner DB
→ **Drove a 90% improvement in API request times by tuning SQL queries**, significantly enhancing system performance and overall responsiveness
→ **Configured automated linting and code formatting** for project, helping reduce noise in code reviews

Animoto   *Mar 2021 → Mar 2022*
Senior Full Stack Engineer (Remote)

→ **Collaborated with product and design** to build new features for web-based video editing application with React, Typescript, Redux, Node.js, Ruby, and MySQL
→ Implemented custom font upload and validation in **a Node.js media processing pipeline**
→ **Increased conversions by 13% by planning and executing A/B testing** for subscription tier pricing

DraftKings   *Aug 2020 → Mar 2021*
Senior Software Engineer, Web (Remote)

→ **Improved Lighthouse performance scores** for draftkings.com by 15% by optimizing webpack build output.
→ **Built and maintained keyword-rich data tables** in single page application wtih 1M+ monthly users, boosting site in organic search result placement.

JP Morgan Chase   *Aug 2018 → Aug 2020*
Senior Software Engineer (Houston, TX)

→ **UI tech lead on development of internal CRM tools** using OpenFin, React, Redux, and Spring Boot
→ Promoted coding standards and best practices across web teams, and mentored engineers
→ Increased code coverage to a 90% threshold by **building automated testing infrastructure with Selenium for end-to-end testing**, and Jest for UI unit testing
→ **Standardized hiring process** for frontend engineers and conducted interviews
→ Reduced delivery lead time from 60 days to 3 days or less by modernizing **team's software development lifecycle**

Software Engineer II (Houston, TX)   *Aug 2017 → Aug 2018*

→ Increased sales team efficiency by 100+ hours per week by prototyping and delivering application rewrite

→ **Coordinated with cross functional teams** to plan and prioritize backlog

Stardog Union   *Jan 2017 → Jul 2017*
Software Engineer (Remote)

→ **Developed** a **serverless React web app, leveraging AWS** for MFA, role and permission management, REST services, and database storage

→ **Authored an open source Visual Studio Code extension** for RDF syntax highlighting (55k+ installs)

Formula.Monks   *Aug 2016 → Nov 2016*
Front-End Engineer (Remote)

→ **Implemented new client-side architecture** and build setup using React, Redux, and Webpack that enabled faster development and component reuse between client projects

→ **Resolved 50% of documented UI bugs** within a month of joining the team

PROS   *Nov 2014 → Aug 2016*
Software Engineer (Houston, TX)

→ Worked closely with UX and Product teams to rebuild legacy sales analytics dashboards in React

→ **Extracted common UI components into an internally-shared component library**

→ **Reduced average build time and CPU usage by 87.5% and 93%** by optimizing Webpack builds

education

Hack Reactor
Full Stack Engineering Bootcamp (Austin, TX)

University of Houston
Bachelor of Arts, English (Houston, TX)

skills

typescript, javascript, html5, css3, react, redux, webpack, unit testing (jest, junit), end-to-end testing (cypress, cucumber), CI/CD (jenkins, gitlab), cloud services (AWS, GCP), Node.js (express.js), java, kotlin (spring), git, ruby (rails), elixir (phoenix), postgres, mysql, datadog, terraform, graphql (apollo)