Mark Ellis

Chicago, IL, USA | ellismarkf@gmail.com | https://mfellis.com

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

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)