EVAN DANA

Staff Software Engineer
Boston, MA

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LEAD SOFTWARE ENGINEER, SPECIALIZING IN REACT NATIVE.
I leverage SaMD experience, I deliver customer value through technical leadership, individual contributions, and collaboration.

Work History

Staff Software Engineer @ Big Health

2022 – Current | Remote

React Native, TypeScript, ReactQuery, SaMD, Python, Postgres, Docker, CircleCI, HealthKit

Focused on strategy, execution, and team culture while being adaptable to changing needs. Led a variety of high-impact workstreams across multiple pods and SaMD products.

- 1.5x engagement achieved, on time, with new app.
  Technical front-end lead: implemented complex UI components, and evangelized and implemented best practices (e.g. code coverage from 0 → 80%). Led technical roadmap and collaborated cross-functionally to reduce time to deliver user value; proactively de-risked delivery by anticipating roadblocks and proposing solutions.
- Improved average session starts by 0.5.
  High rate of adoption (40%) resulted from collaboration with design and product, by providing capabilities, limitations, and UX best practices for relevant technologies. Led planning and implementation of cross-product local notifications; primary code contributor.
- Met quarterly goal of 50% delivery of new app.
  Working with PM and EM for alignment on priorities, strategically planned work to remove blockers and reduce risk. Removed roadblocks, whether independently resolving complex technical items, guiding coworker on their tickets, or working cross-functionally.
- Reduced tech debt and risk through cross functional buy-in on overdue upgrade.
  Gathered and presented options to cross-functional stakeholders for alignment.

Sr. Software Engineer @ Pear Therapeutics

2019 – 2022 | Boston, MA

React Native, TypeScript, NestJS, Bitrise.io, CI/CD, Docker, Software as a Medical Device, PDT

Led planning, coordination, and development of major features and components across teams. Increased efficiency of prescription digital therapeutic (PDT) mobile app development through ownership of shared UI libraries. Delivered complex stories independently, and in collaboration, ensuring high quality and auditable code while also focusing on value-based delivery.

- Increased PDT Development Efficiency through Shared UI Libraries (Mobile Platform Engineer)
  Tech lead and primary contributor for the shared UI libraries. Functionality includes utilities for managing state syncing, customizable and themeable UI components, and the login screen flow. Led a collaboration building new core components; crafted implementation strategy and tackled the most complex stories with composable components.
- Drove Complex Cross-Team Initiatives To Success (Platform Engineer)
  Organized, planned, and implemented mobile-centric facet of a cross-functionally complex project migrating from monolith to micro-services. For migration to new auth service, consolidated requirements and solution options into a detailed RFC and managed the living documentation. Proactively identified critical paths and opportunities for parallelization across teams.
- Delivered PDT for Study Use (Tech Lead)
  Responsible for coordinating code delivery, quality, and providing technical estimates for full-stack app with 3 other engineers. Delivered properly functioning app on time for clinical study.
- Improved the Employee Experience (Chair of Employee Engagement Council)
- Fostered Engineering Community (Engineering Advocate)

Sr. Software Engineer @ General Electric | GE Digital

2016 – 2019 | Boston, MA

ES6, Polymer, WebSockets, NodeJS, CI/CD, Agile, Domain Modeling, Docker, AngularJS, ProUI, Bash scripting, Markdown

For an IIOT monitoring dashboard app that minimized machine downtime, delivered complex features on time, independently and through collaboration, with utmost attention to quality. Exemplified best practices from coding patterns to agile methodologies. Translated requirements into manageable stories with clear and complete acceptance criteria, raising discussions early if needed. Ensured quality by writing unit and system tests for use in CI/CD workflow. Consistently created useful graphical and text-based documentation.

Mentored software engineers and presented on modern UI frameworks and patterns through the use of an interactive programming session.

Education History

Rochester Institute of Technology

Bachelor, Industrial Design

2001 – 2005 | Rochester, NY

Harvard Extension School

Mobile Operating Systems and Applications

2013 – 2013 | Cambridge, MA

Advanced React Workshops

2019 & 2021 | Online Workshop by React Training

Online Learning

2012 – current | Codecademy, LinkedIn, Pluralsight, Coursera / Stanford University Online

Activities

2-day JS Mobile Conference Attendee

JS Mobile Conf

2018 & 2019 | Boston, MA

Fitness Group Co-leader

November Project, Boston

2014 – 2015 | Boston, MA

D3.js Instructor

General Assembly

2015 | Boston, MA

- Community thought leader and advocate
  SME across teams for UI frameworks and patterns
- Feature lead
  Led UI development of feature on open source shared component library: px-data-table
  (https://github.com/predixdesignsystem/px-data-table/pull/126)
- Team contributor
  Focusing on group success, I drove inclusive discussions; improved maintainability with useful
  documentation and code reviews
- Independent feature delivery
  Implemented complex features and refactorings; added in-depth E2E tests and UI/UX designs

Sr. Interactive Developer, L2 @ Publicis.Sapient

2013 – 2016 | Boston, MA

*ES6, D3.js, AngularJS, Aurelia, Agile, JSPM, NodeJS, Continuous Integration, Hexagonal Architecture (server-side),
Domain-Driven Development, Domain Modeling, JIRA*

Years of experience in UI lead role, conducting engaging presentations, and as technical liaison for
client and internal domain teams. Enforced code quality and best practices.

- Awarded recognition for Client-Focused Delivery following client feedback
  Led UI development for that project, having recently self-taught the technology.
- Autonomous and motivated
  Created reusable d3.js charting library between assignments
- Quickly learned and utilized new technology
  From Backbone to AngularJS and Aurelia

Javascript UI Developer @ Putnam Investments

2012 – 2013 | Boston, MA

JavaScript (jQuery, Highcharts), CSS, HTML, Backbone.js, Modernizr, SVN

Implemented significant contributions to interactive retirement planning tool, turning complex
business logic into an engaging user experience.

- Drove consistent quality with unit test suite
- Created dynamic visualizations

Code Highlights

Non-profit Intake App: AHOPE / Boston Public Health Commission
*NestJS, TypeORM, Azure Cloud products, ReactJS 15.1.x, Redux, PostgresQL, Google Cloud, Parse, WebSockets, Material-
UI, Google OAuth, ES6, Babel, Open source, GitHub Projects*

2018 – 2022

Led a team in creating a patient intake app for a local non-profit harm reduction center called AHOPE
(https://www.bphc.org/whatwedo/Recovery-Services/services-for-active-users/Pages/Services-for-
Active-Users-AHOPE.aspx) which is managed by BPHC (https://www.bphc.org/Pages/default.aspx) .
Brought together cross functional experts and drove consensus on requirements and technical plan.
Managed a small group of software engineers who donated time to this project.

- Transitioned from Firebase to Google Cloud Platform to Microsoft Azure as IAM requirements
  changed.
- Key features: Form submission, profile search, profile update, and aggregation reports

PMC Auction App
*ReactJS 15.1.x, Redux, WebSockets, Firebase, Material-UI, Google OAuth, ES6, Babel, Domain Modeling, Trello, ESLint,
Webpack*

2016 – 2018

From concept through development to processing results, this live-bidding auction and raffle ticket
web app exceeded expectations — raising over $5000 for charity. Working with one other developer, we
started with domain models, UX white-boarding, framework choices, and hosting discussions.

Try live bidding (https://pmc-2018-demo.firebaseapp.com) using dummy data.

Github

 AHOPE
(HTTPS://GITHUB.COM/EVANDANA/KEEP-
AHOPE) 2018 - 2022

Patient intake app for AHOPE / Boston Public
Health Commission

 REPO FOR THIS SITE
(HTTPS://GITHUB.COM/EVANDANA/EVANDANA.GITHUB.IO)
2018 - CURRENT

Data-driven flow for web and PDF output

 FLUTTER NAV POC
(HTTPS://EVANDANA.COM/FLUTTER-
POC/README.HTML) 2021

Initial Flutter exploration into a nested
navigation flow with independent modules