EVAN DANA

Staff Software Engineer
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LEAD SOFTWARE ENGINEER WITH A FOCUS ON ARCHITECTING SUCCESSFUL CROSS-PLATFORM MOBILE EXPERIENCES. Leveraging SaMD experience, I deliver customer value through leadership and collaborative roles: as an individual contributor, technical lead, and counsel for stakeholders.

Work History

Big Health

Staff Software Engineer

Staff software engineer on Daylight (https://www.bighealth.com/daylight/) – a React Native app helping those with Generalized Anxiety Disorder find lasting improvement in anxiety, mood, and insomnia.

2022 – Current | Remote
React Native, React-Native-Testing-Library, TypeScript, Software as a Medical Device

- Technical Leadership
  Contributed towards predictable, realistic delivery by engaging with stakeholders to provide solution options that aligned with priorities and planned goals. Guided and mentored other engineers on complex work items.

- Delivered Progress towards App, Leveraging Existing Platform (Tech Lead)
  Focused on team delivery through tech leadership and cross-functional collaboration. Working with PM and EM for alignment on priorities, strategically planned work to remove blockers and reduce risk. Continually refined the technical documentation as new information surfaced and reshuffled backlog items based on anticipated capacity. Removed roadblocks, whether independently resolving complex work items, guiding coworker on their tickets, or working cross-functionally with QMS.

Pear Therapeutics

Sr. Software Engineer

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. Strong collaborator, using documentation and diagramming to maintain aligned understanding and expectations. Improved engineering community through large and small initiatives.

2019 – 2022 | Boston, MA
React Native, React-Native-Testing-Library, TypeScript, NestJS, Bitrise.io, CI/CD, Docker, Software as a Medical Device, PDT

- Drove Complex Cross-Team Initiatives To Success (Platform Engineer)
  Organized, planned, and implemented mobile-centric facet of 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 living documentation for continued collaboration. Identified critical paths and opportunities for parallelization across teams, proactively collaborating to find solutions.

- Increased PDT Development Efficiency through Shared UI Libraries (Mobile Platform Engineer)
  Tech lead and primary contributor to the set of shared libraries used by the other Pear apps. Functionality includes utility classes for managing state syncing, customizable and themable UI components, and the login screen flow. Led a collaboration requiring new core components; crafted implementation strategy and tackled the most complex stories with composable components.

- 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)
  Worked with executive team (C-suite), leadership team (VPs), and all employees, to ensure under-served voices are heard. Proposed solution recommendations to leadership based on aligned goals. Results were positively mentioned in the annual employee engagement survey and many initiatives are still ongoing.

- Fostered Engineering Community (Engineering Advocate)
  Co-organized and led the first two annual engineering-wide hackathons. They produced a self-service site (still in use) and PoC investigations that facilitated future permanent work; the cross-functional teamwork has lasting effects. 3rd year running monthly Tech Talks, providing opportunities for knowledge sharing and practicing technical speaking.

General Electric | GE Digital

Sr. Software Engineer

For an IIOT monitoring dashboard app that minimized machine down time, delivered complex features in a timely manner, 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 interactive programming session.

2016 – 2019 | Boston, MA
ES6, Polymer, WebSockets, NodeJS, CI/CD, Agile, Domain Modeling, Docker, AngularJS, ProUI, Bash scripting, Markdown

- 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

Publicis.Sapient | Sapient Consulting

Sr. Interactive Developer, L2

2013 – 2016 | Boston, MA

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

Putnam Investments

Javascript UI Developer

2012 – 2013 | Boston, MA

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

Code Highlights

Non-profit Intake App: AHOPE / Boston Public Health Commission

2018 – Present

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

Leading a team to create an 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) who is managed by BPHC (https://www.bphc.org/Pages/default.aspx) . Ascertaining and documenting requirements from business stakeholders. Bringing together experts (domain, UX, legal, medical, technical) and driving consensus. Managing a small group of software engineers who are mostly donating time for this project: ensuring coordinated efforts, timely delivery, and continued engagement. Utilizing GitHub projects to achieve agile development, stay focused on MVP and keep stakeholders informed.

- Form submission, profile search, profile update, and aggregation reports
- Transitioned from Firebase to Google Cloud Services to Microsoft Azure based on updated IAM requirements.
- Backend completely rebuilt with NestJS, previously Google Firebase then Parse (with MongoDB)
- Secure sign-in using Microsoft Azure

PMC Auction App

2016 – 2018

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

Education History

React Advanced Composition Patterns Workshop

2021 | Online Workshop by React Training

React Hooks Workshop

2019 | Online Workshop by React Training

Coursera.org

2012 – 2013 | Stanford University Online

Harvard Extension School

Mobile Operating Systems and Applications

2013 – 2013 | Cambridge, MA

Rochester Institute of Technology

Bachelor, Industrial Design

2001 – 2005 | Rochester, NY

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

Github

 AHOPE (HTTPS://GITHUB.COM/EVANDANA/KEEP-AHOPE)   2018 - PRESENT
Patient intake app for AHOPE / Boston Public Health Commission

 FLUTTER NAV POC (HTTPS://EVANDANA.COM/FLUTTER-POC/README.HTML)   2021
Initial Flutter exploration into a nested navigation flow with independent modules

 AUCTION APP (HTTPS://GITHUB.COM/EVANDANA/PMC-AUCTION)   2018
Charitable-focused auction app including bucketed raffles

STREAM CORRELATION (HTTPS://GITHUB.COM/EVANDANA/STREAM-CORRELATION)   2018

Generate random data streams and show which ones are correlated

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

Jekyll template with UX modifications