

EVAN DANA

Sr. Software Engineer
Boston, MA

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LEAD SOFTWARE ENGINEER WITH A FOCUS ON ARCHITECTING SUCCESSFUL WEB AND MOBILE EXPERIENCES. Specializing in front-end technologies, I deliver customer value through leadership and collaborative roles: as an individual contributor, technical lead, and counsel for stakeholders. I enjoy providing technical mentorship and stay current with tools and patterns. I approach challenges with engaging energy and passion.

Work History

Pear Therapeutics

Sr. Software Engineer

Worked across multiple prescription digital therapeutic (PDT) mobile apps (iOS / Android) and the mobile platform team as both individual contributor and as team lead. Followed the engineering practices of Software as a Medical Device (SaMD), ensuring high quality and auditable code while also focusing on value-based delivery. Co-organized and led the first two annual engineering-wide hackathons organizer for monthly Tech Talks. Hackathon produced a self-service site for internal accounts and PoC investigations that facilitated future permanent work; increasing visibility of these efforts and the cross-functional teamwork has lasting effects.

2019 – Current | Boston, MA

React Native, React-Native-Testing-Library, TypeScript, Bitrise.io

- **Mobile Platform Engineer**
Primary contributor to the set of shared libraries used by the other Pear apps. Functionality includes common utility classes for managing state and syncing that with the services, customizable and themable UI components, and a UI flow for the Login experience. Maintained these libraries with ReactNative and RN Nav upgrades, including refactoring large classes to functional components with React Hooks and facilitating app-teams' implementation. Led an app-team collaboration requiring new core components; crafted implementation strategy and tackled the most complex stories with composable components.
- **Platform Engineer**
Consolidated requirements and solutions into a detailed RFC defining how to incrementally move users to new auth microservices while servicing older mobile clients; created diagrams to align on use cases and tracked aggregate platform-consumer functionality matrix in chart depicting implementation team and pattern. Increased event retention and enabled debugging of malformed events; led to visibility and fix of a prod defect. Saved dozens of hours of cross-functional time by enabling safe data mutation of user app progress.
- **Tech Lead**
Responsible for coordinating code delivery, quality, and providing technical estimates for full-stack React Native app with 3 other engineers. Working with product and design to set appropriate requirements. Delivered properly functioning app to app stores on time for study participants.
- **Chair of Employee Engagement Council**
Led the employee resource group to enhance the employee experience. Worked cross-functionally, with executive team (C-suite), leadership team (VPs), and all employees, to ensure the collective and underserved voices are heard. Proposed solution recommendations to leadership based on aligned goals. Allocated EEC funds to create opportunities for shared experiences and relief for common stressors in this unusual time.

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 documentation

- **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

UI lead and front-end developer with aptitude for team dynamics, group coordination, and process efficiencies.

Awarded recognition for Client-Focused Delivery after client feedback on project when leading UI development with recently self-taught technology.

Years of experience in UI lead role, conducting engaging presentations, and as technical liaison for client and internal domain teams. Enforced code quality using best practices such as John DePapa's style guide and BEM on Agile projects. Self-motivated and driven: exemplified by creation of D3.js library and initiation of effective team-building program. Advocated for code stability through unit, integration, functional, or automated visual-diff testing.

Putnam Investments

JavaScript UI Developer

2012 – 2013 | Boston, MA

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

Innerscope Research Inc.

Interactive Developer, L2

2009 – 2012 | Boston, MA

HTML, CSS, PHP, JavaScript, Photoshop, Illustrator

Code Highlights

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

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.

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

- 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

Running Club Co-leader and Webmaster

The Most Informal Running Club Ever (TMIRCE)

2010 – 2011 | Boston, MA