

Dave Pimentel

Fractional CTO and Senior Software Engineer

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[Github](#) | [Linkedin](#)

EXPERIENCE

Pump Factory, LLC | Brooklyn, NY

Owner, Fractional CTO and Senior Software Engineer

February 2023 - Present

NYC-based fractional CTO and senior software engineer helping companies translate business needs into the right software solutions. By gaining a deep understanding of short-term goals and long-term strategic needs, I build products that deliver today while setting up success for tomorrow.

- Serve as strategic technical advisor to founders and leadership teams, shaping long-term architecture, hiring plans, and product priorities.
- Rapidly deliver MVPs and production systems from initial prototypes through deployment, monitoring, and iteration.
- Hire, lead, and mentor engineers, contractors, and cross-functional contributors, fostering a healthy engineering culture and sustainable velocity.

Square Roots | Brooklyn, NY

Director of Software Engineering

January 2022 - February 2023

- Worked closely with senior leadership to develop quarterly OKRs and long-term strategic roadmaps, aligning them with company goals.
- Designed and executed a strategic hiring roadmap, streamlining the process and expanding the engineering team.
- Coordinated with the Hardware Engineering and Plant R&D teams to ensure a cohesive engineering strategy.

Software Engineering Manager

June 2020 - January 2022

- Led a team of 3-6 Software Engineers, providing guidance, support, and career development opportunities through regular 1:1 meetings and performance reviews.
- Worked closely with the product team and other stakeholders to develop a high-level product roadmap, breaking down complex features into manageable engineering tasks.
- Organized technical discussions, resolved issues, and unblocked engineers to ensure their success and productivity.

SKILLS

Javascript/Typescript
React
Ruby/Ruby on Rails
Go
Python
Html
CSS
GraphQL
Android
Kotlin
Java
SQL
AWS
Heroku
Next.js
Astro
Flutter
iOS

- Established a Software Engineer hiring process from scratch, ensuring a smooth and efficient recruitment process.

Full Stack Software Engineer

November 2017 - January 2020

- Conceptualized and developed an innovative web-based application and data analysis platform for remote management of indoor vertical hydroponic farms, working collaboratively with the product and farm teams to rapidly iterate and improve the platform.
- Supported the payment processing backend for subscription produce orders, ensuring a smooth and secure transaction flow.
- Leveraged AWS IoT technologies to monitor, configure, and control the hardware in the farms, ensuring optimal performance and yield.

Foursquare | New York, NY

Android Engineer

September 2014 -October 2017

- Maintained and implemented new features for the Foursquare City Guide Android and iOS app, ensuring a seamless user experience.
- Worked closely with the design team to deliver pixel-perfect designs and ensure consistent branding across platforms.
- Delivered new push notification and email types to millions of users, increasing user engagement and retention.
- Led the mobile application release process for the City Guide Android app, ensuring timely and high-quality releases.
- Spearheaded code refactors, performance audits, and technology changes, introducing Kotlin and ensuring a modern, scalable codebase.
- Contributed to creating and managing the Android Engineer interview process, ensuring a high standard of recruitment and candidate selection.

Android Engineer Co-op

January 2014 -August 2014

- Rapidly prototyped the new Foursquare City Guide Android app in collaboration with the product and design teams, providing high fidelity proof-of-concepts for testing and iteration.
- Developed and launched the City Guide app, working collaboratively with the team to ensure a high-quality product.
- Participated in extensive user experience testing to ensure a delightful and user-friendly experience for all users.

Asics Runkeeper | Boston, MA

Mobile Engineer Co-op

January 2013 -June 2013

- Collaborated with product and design to build new features for the iOS, Android, and web RunKeeper applications, enhancing user

engagement and retention.

- Overhauled the iOS, Android, and web applications to support localization and internationalization, ensuring a seamless experience for users worldwide.

Paypal | Boston, MA

Android Engineer Co-op

January 2012 -June 2012

- Prototyped, developed, and launched PayPal's mobile payment processing app (Paypal Here) on Android, providing millions of users with a seamless and secure payment solution.
- Interfaced with proprietary credit card readers using Bluetooth and audio transfer protocols, ensuring optimal performance and compatibility.

EDUCATION

Northeastern University | Boston, MA

September 2010 -May 2015

Khoury College of Computer Science
Bachelor of Science in Computer Science