



EXPERIENCE

PFM CONSULTING

*President & Founder, Boston, MA**April 2015-Present*

The goal of PFM Consulting is to help mission-driven non-profit and small companies who might not otherwise have access to top-tier technological talent. Personally, I wanted exposure to as many industries, challenges, and people as possible to better myself.

- Worked across many industries: Finance, Healthcare & Insurance, Education, 3DP, etc.
- Designed, developed, and delivered customer solutions (e.g. telemedicine platform, recommendation engine, supplier consolidation, etc)
- Hired, managed, and mentored young developers

Relevant Skills: *Sales, Marketing, Management, Technical Architecture, Design, Engineering, Consulting, RoR, Python, Django*

EVERLYWELL

*Senior Engineer, Austin, TX**Feb 2018-July 2018*

As seen on Shark Tank, EverlyWell is a direct-to-consumer health testing company that provides innovative, at-home kits and redesigned lab results. We are at the forefront of personalized medicine, focused on transforming the \$25 billion diagnostics industry.

- Architected and implemented a DataLake on AWS for Finance and Marketing Teams
- Split out larger pieces of monolithic application into smaller services
- Managed and mentored young developers
- Brought in Docker and Containerization
- Lead infrastructure migration to AWS
- Architected and Implemented a micro-service and RESTful API architecture

Relevant Skills: *Project Management, Technical Architecture, Design, Engineering, Ruby-on-Rails, AWS, Data-Lake, Dev-Ops, Security, HIPAA Compliance, Docker, Jira, Git*

ADDIS CLINIC

*Lead Architect & Engineering Consultant, Boston, MA**April 2016-Feb 2018*

The Addis Clinic provides access to top-tier, Westernized healthcare to patients in the developing world by connecting them with doctors in the United States. I had the privilege of designing, building, and deploying their telemedicine platform to achieve this goal, while at the same time contributing to the open source libraries we used.

- Designed and developed custom EMR and MDS systems
- Designed and managed the Android Mobile App development
- Implemented real time features such as notifications, live video integration, and CV integration
- Collected stories and feedback from all users: patients, nurses, doctors, hospitals, insurance companies

Relevant Skills: *Python, Django, Java, Android SDK, Customer Solutions, Mobile PM, Ansible*

EXPERIENCE (CONTINUED)

HBX, HARVARD BUSINESS SCHOOL

*Full-Stack Engineering Consultant, Course Platform & HBX Live, Boston, MA**Nov 2015-May 2016*

With direct exposure to Harvard Business School (HBS) faculty, education, community, and their famous “HBS Case Studies,” HBX is building a platform that encapsulates the HBS experience & interactivity and delivers it to a global student body. My role consisted of architecting and building a data warehouse and analytics tools, as well as implementing the new HBX Live service.

- Assimilated, consolidated, stored, and made available data across a variety of sources
- Developed analytical tools to use on new data-stores for marketing, outreach, and content teams
- Acted as a liaison between HBS professors, students, and a studio to aid in the design and implementation of HBX Live - their real-time virtual classroom
- Designed and developed a Continuous Integration server for testing and deployment using Jenkins and Ansible, in addition to integrating testing suites

Relevant Skills: *Python, Django, Multimedia Processing, Data Architecture, Analytics & Tools, AWS, Continuous Integration (CI), Atlassian Suite (Jira, Confluence, Bitbucket), Mongo*

TAMR

*Solutions Architect, Customer Success, Cambridge MA**May 2015-January 2016*

Tamr - a Palmer-Stonebraker company - is bringing to life 100% of company data with the goal of presenting a clean and organized view into data. Tamr allowed me to play the role of a Renaissance Man: selling, developing, recruiting, supporting, and analyzing. I was exposed to many different use-cases, clients, and technologies.

- Worked with many different clients, implementing, ingesting, and consolidating data
- Developed Data Science libraries for use in the platform (N-Grams/NLP/K-Clusters, neural nets, etc)
- Participated in both Top and Bottom Funnel Sales meetings
- Coordinated all activity between Tamr and Clients, post-sales; from implementation & security to ingestion and analytics.

Relevant Skills: *Python, Django, Flask, Java, Hadoop, Hive, Spring, NLP, ML, Sales, Customer Demos, Presenting, Tableau, AWS*

ADDGENE

*Data Architect & Engineering Consultant: Search, Tags, Infrastructure**April 2015-September 2015**Senior Software Engineer, Cambridge MA**March 2014-April 2015*

A non profit repository for plasmids - think Github for DNA - Addgene provides scientists many services and products to facilitate biological research. I had the pleasure of joining Addgene and working on a number of different features and solutions such as: infrastructure management, website redesign, API and data tools development, lab management system development, long term research projects in data-curation, and intelligent systems development (search, recommendations, tagging, etc).

- Designed, tested, and implemented the redesign of the website
- Developed reporting and analytical tools for our science, lab, outreach, and marketing teams
- Developed a programmatic framework on top of our tools and data to allow scientists to build reports and access data (one of my favorite projects!)
- Full Feature Development of an intelligent system for tagging and organizing plasmid and viral products, new search engine, and a recommendation engine
- Designed and developed a semi-public API available to our partners and university researchers
- Aided in feature development and maintenance for our LIMS system

Relevant Skills: *Python, Django, Flask, Ansible, Fabric, Django-CMS, sci-kit, pandas, data-tables, Design, Conferences, University Collaboration*

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, *CAMBRIDGE MA*
B.Sc. Computer Science, Minor in Brain & Cognitive Sciences, Dec 2012; GPA: 4.7

SKILLS

My high-level skills are: Sales, Design, Development, Management, Entrepreneurship, WebDev, API Design, Database Design, Continuous Integration, Requirements Gathering, Customer Success & Interaction, Presenting & Writing, Data & Information Modeling, Testing, Documentation.

The technologies I love to use are: Python, Django, Flask, Ruby, Rails, Javascript, Node.js, My/PostgreSQL, PostgreSQL, MongoDB, Ansible, AWS, Heroku, Elastic Search, Java, Github, Textmate, OS X & Linux, Docker, etc. And I always love to learn new things!

I love to travel, experiencing language, culture, food, history, and nightlife. I play basketball & tennis and I dance a mean tango. I play a few instruments, but mostly guitar and uke. I've hiked a few portions of the Appalachian Trail and hope to, one day, complete it. And despite living in Boston so long, I'm a die-hard Eagles fan! Go birds!

FUN SIDE PROJECTS

Smart Wallets, LaunderAway, Winedora, Silk Worm Pavilion, Aletheia, Forgeables, Build-It-Yourself, StartLabs, The Genesis Project, Lottery Tracker