NATALIE PENDRAGON

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New York, NY

PROFILE

Detail-oriented, culture-focused engineering leader with a focus on continuous improvement. I have significant experience in product leadership, people management, organizational scaling, technical architecture, and individual contributorship. Comfortable communicating directly with clients, partners, and product and technical teams.

My experience spans startups both large and small, as well as scaling through organizational growth at many stages in between. I excel at building high-performance, multidisciplinary, positive engineering culture, with a focus on enabling and supporting colleagues' long-term career growth.

Passionate about science, healthcare, software engineering and excited to continue to explore the intersection of all three.

EXPERIENCE

Flatiron Health   Nov 2016 - Present
Staff Software Engineering Manager   *New York, NY*

· Led the multidisciplinary, matrixed engineering organization responsible for Flatiron's partnership with partner academic medical centers, as well as the engineering team responsible for Flatiron's Python SDLC. My role included technical product ownership for the SDLC team, people management of engineers and leads on all teams, and overall technical accountability for Flatiron's Academic partnerships (machine learning, technical consulting, ETL management, EHR integrations). Notable challenges included responsible integration of machine learning into Flatiron's academic data, creation of models and support for new cancer types, and migration of a multi-hundred person engineering organization from Python 2 to Python 3.

Landiverse   Dec 2014 - Nov 2016
Cofounder and CEO   *New York, NY*

· Designed and built a rural real estate property management platform, offering algorithmic insight into agricultural characteristics of rural properties. My role included product ownership, technical architecture, sales, and overall financial accountability. Notable challenges included management of a set of complicated ETL pipelines to integrate data from diverse sources (e.g., US Census, USDA Soil Taxonomy, US Agricultural Survey).

SpyFu   Jun 2011 - Jul 2015
Lead Software Engineer   *Scottsdale, AZ*

· Joined a small ad-tech startup and owned architecture and development of backend systems. My role included technical aspects of architecture and development, as well as technical product ownership and agile coaching for the team. We successfully scaled the product and underlying systems through a high-growth four years, all while increasing the amount and complexity of data served.

MetaKey Software   Jul 2007 - Jun 2011
Cofounder and Lead Software Engineer   *Heidelberg, DE*

· Developed and maintained a suite of software used by a large German pharmaceutical concern to facilitate drug discovery. My role included technical architecture and software development. Notable challenges included building the fastest 2D molecule renderer in existence at the time, yielding render times on average three times faster than Symyx Draw, to facilitate performant simultaneous rendering of large groups of molecule variations.

EDUCATION

Universität Heidelberg   *2004-2007*
Ph.D., Physics (unfinished)
Dissertation focus on particle physics (meson and baryon spectroscopy using high energy photons). Left to focus on first healthtech-focused tech startup.

Northern Arizona University   *2000-2004*
B.S., Finance
Minor in Music Performance

Member of Blue Key Honor Society