

Matt Kelly

554 Paterno Drive, Harleysville, PA 19438 ✚ 215.960.5197 ✚ matthew.ryan.kelly@gmail.com

Staff Software Engineer

⌘ Audacious vision for high-level abstractions ⌘ Big picture systems thinker
Product-minded decision maker ⌘ Mentor at heart with a penchant for teaching
⌘ Unparalleled attention to detail

LANGUAGES: Ruby, Javascript, Clojure, Python, Lua, Fennel, Sindarin, FORTH, C#, [ba|z|fi]sh, Quenya, QBASIC

TECHNOLOGIES: Rails, React, Django, Git, k8s, PostgreSQL, Teradata, Oracle, Microsoft SQL Server, Snowflake

TOOLBELT: VS Code+Neovim, iTerm2, tmux, Logseq, Talon Voice, Hammerspoon, `⌘ () { : | ; & } ; :`



Relevant Experience

STAFF SOFTWARE ENGINEER/TECH LEAD *AdHoc - VA.gov (Washington, D.C. [Remote]) 2023 – Present*

⌘ Audited all Veterans Benefits APIs, bringing them into alignment with [best practices and standards](#) ⌘ Championed and implemented a massive extraction of API modules to a greenfield Rails API only app ⌘ Annotated and delegated work required to bring code into compliance with extremely stringent NIST standards for PII/PHI. ⌘ Introduced DataDog monitoring practices have been adopted organization wide.

SENIOR SOFTWARE ENGINEER *NexHealth (San Francisco, CA [Remote]) 2022 – 2023*

⌘ Resuscitated an ancient Python 2/Django app ⌘ Became de facto SME on PII and PHI at the database layer ⌘ Untangled a hairy, ten year old, diamond dependency ⌘ Fixed a mountain of broken tests, bringing the test suite green for the first time ever. ⌘ Cut the application footprint in half by excising vestigial appendages.

SENIOR BACKEND SOFTWARE ENGINEER *Weedmaps (Irvine, CA [Remote]) 2019 – 2022*

⌘ Built a greenfield, inhouse, ad-server ⌘ Worked tightly with AR to build and integrate custom accounting software for performance based ad sales ⌘ Conducted over a hundred interviews ⌘ Thwarted spammers with hand rolled naive bayesian ML models ⌘ Built custom internal tooling for the review moderation team, enabling them to fully empty their backlog. * Stopped muggers with AI

SOFTWARE ENGINEER *Comcast (Philadelphia, PA) 2017 – 2019*

⌘ Principal architect of MOXIE, an application backed database enabling bulk querying of customer PII at all levels of network topography. ⌘ Enterprise-level security ⌘ Aggregated and collated seven disparate databases traversing billions of rows ⌘ Fluent in legalese focusing on customer PII ⌘ Query optimization for ingesting data on the petabyte scale. ⌘ Still actively used

LEAD SOFTWARE DEVELOPMENT ENGINEER *Curtiss-Wright (Hatfield, PA) 2014 – 2017*

⌘ Spearheaded the design, architecture, and testing of custom quoting software built to spec. ⌘ Project has since grown in scope and now constitutes more than half of the sales pipeline. ⌘ Delivered on time and significantly under budget (OSS <3) ⌘ Seamlessly integrated with the company's existing CRM software and an ancient copy of MS SQL Server 7.0. ⌘ Still actively used

FIELD SERVICE ENGINEER *Curtiss-Wright (Hatfield, PA) 2013 – 2014*

⌘ Supervised heat exchanger repairs on nuclear and conventional power generation plants and petrochemical/agricultural refinement facilities. ⌘ Served as a consultant and supervisor for numerous nuclear plant overhaul operations. ⌘ Became the first software engineer in the company's history ⌘ Developed a complete sales pipeline in C# for the service department. ⌘ Identified and prevented the implosion of legacy software due to operating system enforced file size limits.

NUCLEAR ENGINEER *United States Navy (USS Philadelphia SSN-690) 2003 – 2009*

⌘ Served 4 years on a fast attack submarine. ⌘ Provided continuous supervision for up to ten personnel including mechanics, electricians, and reactor technicians for the safe and efficient operation of a nuclear power plant. ⌘ Coordinated and oversaw all engineering watchstanders during reactor plant operations from startup to shutdown status. ⌘ Provided training to junior personnel on plant operations ⌘ Collateral duties included serving as Gage Calibration Officer, Training Officer, and Quality Assurance Officer.



Education

⌘ **EXCELSIOR COLLEGE (ALBANY, NY)** *B.S. Nuclear Engineering Technology 2013-2017*

⌘ **NAVAL NUCLEAR TRAINING COMMAND (CHARLESTON, SC)** *2003-2004*