

Eamonn McHugh-Roohr

Senior Software Engineer · Greater Boston / Metro West

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Arine: Senior Software Engineer

Nov 2022 - Present

- Medication Intelligence team; primary language: Python; work closely with Pharmacists
- Facilitated transition from EC2 scripts to AWS Batch jobs.
- Own deployments with Docker, Amazon CDK, Cloud formation, and Jenkins.
- Moved projects towards Pydantic to reduce bugs and document data schemas.
- Transitioning from homegrown template framework to Jinja, reducing maintenance burden.

SmarterTravel: Senior Software Engineer

May 2021 - Nov 2022

Software Engineer (Platform)

Mar 2017 - May 2021

- Program in Python for everything from microservices and utility scripts to custom monitoring
- Employed modern Python 3 tech like type hinting and Pydantic to keep code clean.
- Worked mainly on an Email team maintaining email services which sent millions per day,
- Also worked on the backend of our hotels site, maintaining FastAPI (Python) microservices.
- Completed "Leading With Purpose" management training, managed individual contributors.
- Connected microservices together with Apache Kafka to manage big parallel loads.
- Conducted technical interviews to grow the company by hiring excellent engineers.
- Helped migrate critical email infrastructure to Green Arrow, achieving major cost savings.
- Assisted stakeholders (data analysts) in a timely manner including an on-call rotation.
- Took ownership of both of our two ETL projects; point of contact and frequent fixer.
- Long time Scrum Master (obtained a certification from Scrum inc after completing course.)
- Managed a situation where a critical external vendor (distil) was sunsetting their service.
- Ensured open source license compliance across hundreds of repos via Blackduck.

KEW Inc: Full Stack Engineer

Mar 2016 - Jan 2017

- Built a reporting framework for our pipeline in Django for visibility into our sequencing stats.
- Worked independently and with a larger team to solve operational issues for the company.
- Built and maintained Ansible scripts for automated deployment, configuration, etc.
- Configured Linux servers to run Django, legacy projects I'd inherited, and even CGI scripts.
- Watched with pride as the infrastructure returned automatically after a power outage.

Luvo: Junior Software Engineer

Jun 2015 - Feb 2016

- Our team integrated a video platform into the application for online tutoring.
- Helped run the ecommerce site built in Django and Angular.
- Grew as a programmer through code reviews and reviewing code for team members.
- Built a facebook-like content feed as part of an independent 'hackathon' project.'
- Learned how to work as part of a high performance software team.

Sports Technologies: Developer

May 2014 - May 2015

- Built and maintained fantasy sports web apps with Ruby, Rails, MySQL, and Postgres.
- Re-wrote the NHL Hat Trick Challenge scoring code from Java/MySQL to Ruby/Postgres.
- Supported end users on various fantasy products, by phone, email, and web forum.

Education: BS: Computer Science, Minor: Mathematics, Westfield State University, Westfield, MA

Skills:

- Experience programming in Python, JavaScript (ES6), Ruby, Java, and SQL
- Technologies: Apache Kafka, Redis, Postgres, Amazon Redshift, git, vim, tmux
- Frameworks/: FastAPI, Pydantic, SQLAlchemy, Flask, Django, Rails, Alembic
- DevOps: CDK (Python), Docker, Nginx, Nagios, Linux, Jenkins
- Soft Skills: Strong communicator; people person; never afraid to write documentation!

Side Projects:

- OLS: Open source implementation of a Lockstep-networked RTS using Python
- Multiplayer Escape Velocity clone in the Godot engine (GDscript is similar to Python)