ALEX DULAC
SENIOR SOFTWARE ENGINEER

📍 Westbrook, Maine

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🖥 github.com/alex-dulac

Senior Software Engineer
January 2024 - Present

Mission Veterinary Partners
Remote

- Building a scalable enterprise system to be used by over 500 veterinary practice locations, with roughly 20 users per clinic— around 10,000 active users across the organization.
- Lead various technical discussions with the development team concerning all areas of the stack and lifecycle- Python, React with Typescript, GraphQL, MongoDB, ORMs and database migrations, QA and deployment methodologies.
- Collaborate directly with product and design to translate high-level business needs into technical specifications and deliverables.
- Joined as the first software engineer hired for the project, and was responsible for helping lay the foundation of the technical team. As the team has grown, I've been the primary resource for helping new members orient themselves with the stack and process. I'm proud to have helped shape not only the codebase, but also the culture of the team.

Application Developer
September 2018 - December 2023

IDEXX Laboratories
Westbrook, Maine

- Full stack software developer of a veterinary practice management system, IDEXX NEO, for an S&P 500 company, primarily working with PHP, Angular with TypeScript, Python, and MySQL.
- Contributed to the planning, designing, and development of new features, from kickoff to delivery.
- Support, fix, update, and maintain existing systems/ methods as needed.
- Collaborated with other engineers on implementation plans, code reviews, and process enhancements.
- Wrote unit tests to help ensure the highest quality product and maintain the integrity of code through E2E testing.
- Ensured seamless communication to applicable parties for various application issues as needed by translating technical problems into easy-to-understand solutions.
- Worked closely with the product team, designers, and other engineers to rebuild the cornerstone feature of the application, from legacy JavaScript & jQuery with Twig to Angular with TypeScript and NgRx, and refactored backend endpoints and methods from legacy CodeIgniter to Symfony. This revamp saved veterinary practices an average of 4 minutes per clinic visit, which over the course of a day typically saved businesses an hour of time.

Health Data Analyst
July 2017 - August 2018

Onpoint Health Data
Portland, Maine

- Investigated and addressed data issues that arose in delivering data integration and analytic services.
- Performed in-depth and ad-hoc analyses, code testing, and routine quality assurance activities utilizing PL/SQL developer and Python.

Advertising Review Principal
March 2015 - April 2017

Foreside Financial Group
Portland, Maine

- Earned FINRA Series 7 (stockbroker) and FINRA Series 24 (supervisor of broker-dealer activities) certifications.
- Reviewed and approved clients' marketing materials to ensure compliance with current FINRA regulatory standards.

SKILLS

Python - FastAPI, Django, DRF, SQLAlchemy, Beanie, boto3, Pytest
TypeScript, JavaScript - React, Angular, Next, Node
PHP - Symfony, Laravel, Doctrine, PHPUnit, Composer
Java - Spring Boot
Databases - MySQL, PostgreSQL, MongoDB, PL/SQL (Oracle)
Events - Redis, SQS, Kafka
Plus… - APIs (REST, GraphQL), Docker, AWS, Github Actions, Jenkins, SDK and CLI tools, AI tools (Tabnine, Copilot)

EDUCATION

University of Southern Maine

Bachelor of Arts,
Communication and Marketing

2014