Fletcher Easton

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Education

California Polytechnic State University, San Luis Obispo

Bachelor of Science in Software Engineering, June 2020

Professional Experience

Lead DevOps and Backend Engineer, Grove

Self Employed   **September 2019 - Present**

- Coordinated an API-first development process with customers, designers, and front-end engineers.
- Developed, documented, and tested REST APIs using FastAPI, Django, and pytest.
- Implemented robust CI/CD, unit/integration testing, A/B testing, and production-monitoring practices.
- Assisted with testing and debugging using React and TypeScript.

Automation Engineer, California Strawberry Commission

Full Time   **October 2019 – Present**

- Developed edge and cloud-based machine-vision systems to identify and count Lygus, mites, and strawberry runners using TensorFlow and FastAPI.
- Built robust pipelines in AWS for updating the machine-vision models powering the cloud-based object detection.

Lead DevOps and Backend Engineer, HealMed Solutions

Contractor   **January 2021 - June 2021**

- Worked closely with HealMed Solutions to develop HIPAA-compliant software for partnered hospital systems.
- Developed, documented, and tested REST APIs using FastAPI, SQLAlchemy, and pytest.
- Implemented robust CI/CD, unit/integration testing, production-monitoring practices.
- Assisted with testing and debugging using Angular and TypeScript.

Lead DevOps and Backend Engineer, Assembled Supply

Contractor   **July 2020 - May 2021**

- Scraped and cleaned data from various industrial supplies websites using selenium and scrapy.
- Built a data management system for matching items from dozens of sellers for direct price comparisons.
- Developed the backend system for an e-commerce platform, integrated with Stripe.
- Documented code and practices for other engineers and the (non-technical) CEO to follow.
- Assisted with testing and debugging using React and TypeScript.

Full Stack Developer, MyFreightCube

Contractor   **October 2020 - January 2021**

- Built a highly performant API to efficiently arrange variably sized pallets in box trucks using FastAPI and NumPy/SciPy.
- Developed a responsive web app and cloud architecture to support precise freight conversions and calculations.
- Worked with a UI/UX contractor to design and build the web app.

Technical Expertise

- Web APIs (Django, FastAPI, Flask)
- Web apps (JavaScript, TypeScript, CSS, HTML5, Jinja2, Django, Bootstrap, TailwindCSS, Angular, React)
- DevOps, both infrastructure and testing (GCP, AWS, PaaS, Cloud Build, pytest, selenium)
- Data persistance (PostgreSQL, MySQL, Memcached, Redis, Django ORM, SQLAlchemy)
- High performance computing (Python, TensorFlow, NumPy, SciPy, Pandas, basic C++)
- Requirements engineering and communication (JIRA, Notion, Slack, Teams, Microsoft Office, Google Workspace/G-Suite)