Chris Cummings
Full Stack Developer

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Additional links and info at chriscummings.net

Languages: **Python** (12yr), **JavaScript** (12yr), **CSS** & **HTML** (16yr), **Ruby** (5yr), **C & Rust** (4mo)

Frameworks: **Flask**, **Django, Ruby-on-Rails**, **Sinatra**, **Bootstrap**, **jQuery, Dojo**

Databases: **Redis, PostgreSQL, SQL Server**, **Oracle, MySQL**

Tools/Misc.:   **Docker, Git, NPM, GIS, ESRI, QGIS, AI/LLM**

Owner, Dingo Ranch Labs, LLC (Freelance Consulting)   Aug 2021 - Present

Various Client and For-Fun Projects

Python, Flask, JavaScript, Redis

- Provided data recovery and packaging for 65 laid-off Vice.com journalists via Python-based web scraping and searchable static-site generation.
- Open-sourced an AI-assisted, Dockerized chatbot framework (pbot-ai.com) written in Python.
- Prototyping hardware and firmware for automated water management in Rust and Python (Github link).
- Other client projects involving: ETL processes, design consulting, API integration, report generation & CRUD web apps, primarily leaning on Python, Flask, and JavaScript.

Developer, Bell Carrington Price & Gregg (Product Development for Law Firm)   Feb 2021 - Aug 2021

Map-Based Application and GIS Workflows

Python, Django, JavaScript, Postgres

- Drove development a Django-based product to allow attorneys to identify and assess property parcels to be impacted by DoT road construction plans.
- Created and implemented tools, workflows and Python scripting necessary for processing raw DoT engineering drawings into useful geographic and parsable tabular data.

Team Lead Software Engineer, Dominion Energy, GIS Dept. (Public Utility, Energy)   Jun 2016 - Aug 2020

Energy Applications Development and Support

Python, Flask, JavaScript, Dojo, Oracle, SQL Server

- Lead entire development lifecycle for numerous web-based applications (Python/Flask and JavaScript) for use by internal customers and subject matter experts throughout the organization.
- Worked in cross-functional ad-hoc teams to facilitate software integrations within the company.
- Developed Map-based applications on Dojo and ESRI Javascript frameworks.
- Built ETL application on Python and Flask, responsible for migrating GIS data between radically different models for the entirety of SC-wide GIS Gas dataset.
- Designed foundational application templates and tool chains on which the majority of department software is now built, resulting in consistent and familiar structures.
- Championed standards with an emphasis on practicality and shipping code.

Lead Developer, US Patriot Tactical (eCommerce)   Mar 2011 - Jun 2016

Mission-Critical ERP System and E-commerce Platforms

Ruby, Ruby-on-Rails, JavaScript, MySQL

- Designed and built company's mission critical ERP system on Rails 3, responsible for processing over $3m in web orders a month, managing the inventory for 92k products, and integrating data between numerous disparate software and services related to marketing, shipping, fulfillment, and inventory.
- Developed backend JSON/ReST web services on Sinatra and client-side JavaScript to provide product data via AJAX calls.

Developer, SC Army National Guard (Environmental Management)   Oct 2008 - Jun 2010

Web App Development and Data Management

Python, JavaScript, ActionScript

- Built HTML5 frontend applications to render and explore utilities infrastructure data to identify inefficiencies and reduce costs to Facilities Management budget.
- Built workflows in Python to aggregate & error check data sets generated by interns, field inspectors and US agencies such as the USGS, US Census and NOAA into both open source and proprietary (ESRI) data formats.
- Developed GoogleEarth and Flex mashup application to present compelling evidence of erosion impacting National Guard training to decision makers, in lieu of costly and nonportable standard industry software.

Sonar Technician, US Navy (Military)   Dec 2000 - Dec 2004

Multidisciplinary Technician and Training

- Served as training coordinator for division of 16.
- Maintained and acted as subject matter expert on undersea systems.