Chris Cummings

`GIS & 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, AI/LLM, QGIS, ESRI, NPM, GIS**

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

- Open-sourced an AI-assisted (OpenAI LLM & Midjourney), Dockerized bot framework (pbot-ai.com).
- Prototyping hardware and firmware for automated water management in Rust and Python (Github link).
- Various client projects involving: ETL processes, web scraping, API integration, report generation & CRUD web apps.

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

Map-Based Applications and GIS Workflows

- Drove development of a product from concept to production-launch of customer-facing, mapping web-app on Django, vanilla JavaScript and various ESRI & open source technologies to allow attorneys to identify and assess property parcels impacted by road construction plans.
- Developed and implemented tools, workflows and scripts necessary for processing raw DoT engineering drawings into useful geographic and searchable tabular data.

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

Data Migration, Leadership and Web/Mapping Development

- Built ETL application responsible for migrating GIS data between radically different models – from a geometric network to ESRI's Utility Network for the entirety of SC-wide 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.
- Managed project teams, securing customer requirements and shepherding development to production maintenance.

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

Mission-Critical ERP System and E-commerce Platforms

- 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.