

Chris Cummings

Software Engineer

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Additional links at chriscummings.net

Languages: **Python, JavaScript, Ruby, CSS & HTML, PHP, Objective-C**

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

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

Principal, Dingo Ranch Labs, LLC (Freelance/Consulting work)

Aug 2021 - Present

- Freelance and for-fun projects that include: ETL processes, web scraping, API integration, report generation, chatbots & CRUD web apps.

Developer, Bell Carrington Price & Gregg (Product Development for Law Firm)

Feb 2021 - Aug 2021

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

Team Lead Software Engineer, Dominion Energy, GIS Dept. (Public Utility)

Jun 2016 - Aug 2020

- Developed dashboards, map-based web applications, APIs, and services related to GIS data.
- Built ETL engine responsible for migrating GIS data between radically different systems and schemas.
- 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

- 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 over 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.
- Managed integration projects and requirement discovery with vendor software and services.
- Maintained e-commerce sales platforms.

GIS Analyst, SC Army National Guard (Environmental & Facilities Management)

Oct 2008 - Oct 2010

- 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)
- 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.