TOM CLANCY

Lead Developer

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Full-Stack developer who has concentrated in Django/ Python for 15+ years at companies of varying size, including multiple 0-1 startups, a Series A and Series B. Experienced in remote work as both a full-time employee and contractor. My full job history is available at the LinkedIn profile below.

DJANGO WORK EXPERIENCE

COFACTR

Senior Developer | Oct 2024 - Current

- Improved instrumentation in Data Dog and Sentry to make it easier to find performance problems and low-level issues
- Optimized performance by closing N+1 queries, tweaking queries and cleaning up slow-performing functions
- Built a new system-wide notification system that made it easy to wire up any database model to Knock's notification API
- Introduced runbooks and started a Standard Operating Procedures library

RHUMBIX

Staff Engineer/ Engineering Manager | Jul 2017 - Sep 2020

- Brought a decade of experience to a small startup with a Django-based product
- Introduced testing approaches, quality controls and safer continuous integration and deployment
- Integrated product with numerous 3rd party APIs including deep integration with Autodesk
- Upgraded the entire codebase from Python 2/ Django 1 as a personal project
- Promoted to engineering manager and mentored a team of eight developers of various experience levels

HBX | HARVARD BUSINESS SCHOOL ONLINE

Development Lead | Aug 2013 - Feb 2016

- Worked as a technical lead on Harvard Business School's online HBX offering
- Acted as the final quality gate in pull request reviews for a team of eight in Croatia
- Worked closely with the Dev Ops team to create a solid, boring, reliable deployment process for multiple environments
- Led performance efforts: finding bottlenecks, then using heatmaps and source graphs to remove them

GROUND ENERGY

Geothermal Iot Project | Mar 2012 - Mar 2022

- Worked with founder to create a Django-based app which receives status reports from geothermal installs once per minute, and aggregates performance reports
- Returned real-time reporting in a responsive manner for gigabytes of data
- Integrated with standard geothermal reporting devices and Ecobee thermostats

TANKCLARITY

Home Heating Oil Iot Project | Mar 2016 - May 2020

- Used Particle.io and car-backup sonars to measure heating oil levels to keep users warm
- Integrated Stripe for payment processing and Twilio for SMS alerts
- Aggregated Postgres data into Redis for real-time performance
- Used Pandas and statsmodels for tank-usage predictions based on history and Wunderground-provided weather information

URS CORPORATION

Bluetooth Automotive Traffic Monitoring | Aug 2013 - May 2014

- Parsed data sets from pinging Bluetooth sensors in cars to determine average speed, find traffic problems and optimize light timing
- Replaced rough intern code with a Pandas-based solution backed by unit tests
- Improved performance and deployment safety by an order of magnitude
- Applied standard Django approaches to a mishmash of code that had been wrapped in Django

CONVENIENTMD URGENT CARE

Developer | Oct 2012 - Feb 2016

- Worked directly with the founders to create the initial web presence for a company that has grown to hundreds of locations
- Added online payment via the Authorize.net portal and a responsive design after the initial build
- Integrated geolocation and SMS to make it easier for users to find and make an appointment

FRONTLINE

Developer | May 2010 - Apr 2011

- Built a social website for discussion of an episode of PBS' Frontline, "God in America"
- Integrated with PBS' oAuth authentication library to create a seamless experience for users
- Built tools for users to easily express themselves and for editors to manage those comments and automatically filter spam

RIVERMILL AT DOVER LANDING

Parnter | Jun 2010 - Feb 2012

- Co-founded, equipped and managed an event space in Dover, NH
- Involved in all phases of the project, generating leads, creating Django-based CRM tools for us, meeting with clients, managing vendors and attending events.
- Created an end-to-end ticketing application that allowed users to purchase tickets and print them in one go

THOSE CLEVER KIDS

Founder | Nov 2007 - Jun 2017

- Ran my own consultancy for a decade, with a strong focus on Django-based projects
- Built out the company tooling in Django, including a CRM, time-tracker with billable receipts, portfolio and client intranet

EDUCATION

UNIVERSITY OF ROCHESTER

BA Economics | 1993 - 1997

VOLUNTEERING

END 68 HOURS OF HUNGER

Jan 2021 - Current

Work to stock the shelves and process donations for our local chapter

TRI-CITY WARMING SHELTER

Nov 2021 - Current

Provide home-cooked meals to our homeless shelter

SKILLS

Python	Django	PHP	C#	JavaScript	TypeScript	HTML/ CSS	Postgres	MySQL

Architecture	API integration