

**Skills/Interests** Web Development AI Development & Tools VanillaJS Ollama NGINX Linux Selenium  
FastAPI/Flask/Django Docker VirtualBox/QEMU Gitlab CI/CD & Management CouchDB/PouchDB

Detail-oriented Software Developer with 10+ years of experience in full-stack web development and database management. Specialized in Python frameworks including Django, Flask, and FastAPI with a proven track record of migrating legacy systems and developing SAAS applications. Passionate about data integrity and creating efficient, scalable solutions.

## 2023 - 2025 Software Developer 2 @ Zonar Seattle, WA (Remote)

- Supported backend systems of fragmented python applications
  - Debugged, diagnosed issues, and recommended improvements for Flask, Tornado, and GCP Cloud functions
  - Major migration of SQL Alchemy 1.x to 2.0 (Core) across all backend applications
- Discovered large data discrepancies in PHP & AlloyDB databases
  - Familiarized myself with the database structure and expected values
  - Found multiple instances of bad data which correlated to malfunctioning telematics units
  - Reported on customer configuration to help verify which features were turned on vs paid for
  - Discovered data and errors in application for customers who no longer existed

## 2020 - 2023 Co-Founder @ Stor.Guru Baltimore, MD

- Built SAAS Personal Home Inventory website w/ Flask, MongoDB, Stripe API, and IndexedDB.
  - Stack Contained: Flask, MongoDB, Celery, and Socket.io for realtime updates with multiple users.
  - Developed label generation of Unique QR Codes with Python, Inkscape, and Chrome for PDFs to be printed.
  - Multi Docker container deployment with Gitlab CI/CD for review apps and production.
- Ran Email Marketing Campaign for subscribers with SendGrid API.
  - Reached over 10,000 emails of potential clients over a scheduled campaign period.
  - Built form for users to subscribe as contacts for the mailing list which was saved to MongoDB.
- Built the Organizer Directory as a free service to help grow and market Stor.Guru.
  - Developed Web-Spider for piping professional organizer information into MongoDB
  - Compiled data from US/CA by State/Province for easy access of organizers by each city.
  - Created form for new organizers to add a listing and advertise for their business.
  - Created form for potential clients to contact an individual organizer or a group of them in an area by email.

## 2017 - 2019 Software Developer 1 @ Rockwell Collins Annapolis, MD

- Tasked with migrating headless Django application
  - Upgraded from Django 1.5 to 1.11LTS and Python version from 2.8 to 3.0
  - Used previous python nose tests to aid in the process and ensured all were passing for completion of task.
- Aided Delivery of RDP software suite for Aircraft Hanger Maintenance Crews
  - Configured RDP Software with corporate Active Directory to allow access to authorized personnel.
  - Setup and Installed Airline and Aircraft Manufacturer apps on Enterprise VMware Cloud Virtual Machines.

## 2015 - 2017 Software Developer 1 @ OnCell Mobile Tours Rochester, NY

- Developed "Favorites" feature to save pages or stops within a tour to go back to.
  - Utilized the JavaScript Local Storage API in browsers to save relative links to pages
  - Modified jQuery Mobile icon set to include heart images for the feature.
  - Created UI in app and builder interface and integrated as a Django admin feature flag.
- Supported deployments to and automated parts of PhoneGap/Cordova apps into Google and Apple app stores.
  - Developed simple screenshot and splashscreen generator for various dimension images using Python's Pillow.
  - Managed and maintained scripts which converted web apps to static filesystems for packaging on native devices.
  - Developed drag & drop internal site for ingestion of screenshots & app files and output .apk and .ios files
- Documented complete native app build process for any team member to be able to complete for customers.
- Upgraded main Django application from 1.3 to 1.8 spanning major MySQL Database migration of production data.



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Personal Travel Blog



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