

William Krasnov

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SKILLS

Python, C#, Java, JavaScript, PHP, C/C++, Swift; HTML/CSS, React, Django, FastAPI, Laravel, Jinja; Pandas, NumPy, **AI**, TensorFlow, Facebook Prophet, ARIMA/SARIMA, Machine Learning; **SQL Server**, PostgreSQL; AWS (S3, EC2); Jupyter, Visual Studio, Xcode, Unity, Git,; **.NET**, **.NET Core**, **Blazor**, **ASP.NET**, SpringBoot; Jira, Notion, Linear, **Power Platform**, Slack Automations, SCRUM, **Web APIs & Mgmt**; BigCommerce, Avalara, ShipStation.

EXPERIENCE

Data Engineer

Apr 2024 - Present

JMAC Supply, West Hempstead, NY

- Built and took complete ownership of BigCommerce pre/post-launch data pipelines, automations, API wrapper development, and all core components of the system relating to seamless ECommerce migration.
- Optimized existing integrations written in both Python and FileMaker, increasing performance by >100%, and reducing technical and human error rate significantly.
- Established new automations eliminating need for daily manual procedures, and significantly reducing rate of human error.
- Led initiative to adopt an in-house Django ERP/OMS solution, saving \$20,000 a month in contractor work, while reducing timelines by 2x.
- Established and maintained both local APIs and hosted webhook containers to effectively synchronize FileMaker and Postgres data, almost eliminating delays between requests and results for all ~2.5 million products and 100s of vendors.

Jr. Database Programmer

May 2023 - Apr 2024

Kirschenbaum & Phillips P.C., Farmingdale, NY

- Developed and maintained efficient and complex stored procedures in MS SQL Server, reducing daily procedures from an average of 4 hours to just 1 hour.
- Resolved critical and vendor-specified issues quickly, saving the firm tens of thousands in extraneous resources and time, failed audit costs, and resource usage.
- Automated intricate manual processes using Python, increasing efficiency by over 5x by reducing or sometimes eliminating need for human intervention.

Junior Technical Support / Software Engineer Intern

Jun 2019 - Jun 2023

SmartAdvocate, Port Washington, NY

- Assisted clients with technical issues related to SmartAdvocate software.
- Utilized SQL Server Management Studio for building queries to enhance client experience.
- Designed subsystems to help streamline SmartAdvocate's operations.

EDUCATION

COMPUTER SCIENCE B.S.

Sep 2020 - Dec 2023

SUNY OLD WESTBURY, OLD WESTBURY, NY

HONORS & AWARDS

Best Use of Google Cloud

Feb 2020

CEWIT Hackathon

Created a machine learning model that predicted NBA MVP results based off of previous year data, with a significant degree of accuracy

CERTIFICATIONS

AWS Certified AI Practitioner

Dec 2023

Amazon Web Services

Obtained Certification via AI & Machine Learning Coursework via Old Westbury

PROJECTS

College Registration System

Dynamic and fully-featured college registration system allowing Faculty, Student, Admin, and Statistics views and management. Fully documented and secured.

Technologies: Python, Django, Django Rest Framework, AWS, MySQL

Smyle – GIF/Photo Chatting

iOS App for exchanging photos, images, GIFs, and general messages between users and/or groups, and displaying them on the homescreen as a widget.

While app still hasn't seen an App Store release, constantly being worked on and shared via TestFlight.

Technologies: Swift, Back4App, Parse, AlamoFire, SwiftyGIF

Paws & Heroes Legacy Foundation, Inc.

Django-based non-profit foundation site with dedicated tools for managing all site content simple enough for a layman to use. Features custom WYSIWYG editors, full EC2 & S3 Deployment, security auditing, and dedicated integrations with Google and Facebook.

Technologies: Python, Django, AWS, SQLite, Mailgun