Seth Dandridge

Software Engineer
New York, NY

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Summary

Full-stack Python engineer with over a decade of professional software development and management experience. Able to quickly adapt to new domains, with expertise in finance, legal tech, health care, and media.

Skills

Python	Fluent. I have authored many applications, libraries and algorithms in this language. I understand its idioms, quirks, and ecosystem. Intimately familiar with the Django and Flask web frameworks. Significant experience with Pandas, scikit-learn, SQLAlchemy ORM, Selenium, pytest, and Airflow.
Other Languages	JavaScript proficient. Familiar with Kotlin, Go and PHP. Dabbled in Bash, C#, Ruby, Perl, and Q/kdb+.
Databases	Significant database modeling experience, particularly PostgreSQL. Comfortable with Redis, SQLite, MySQL, MSSQL, SOLR, and StatsD.
Platform	Adept administrator of Linux-based systems with experience managing production infrastructure. Familiar with Docker, Kubernetes, Helm, and cloud computing providers such as AWS.
Web Technologies	WSGI, NGINX, SSL, OpenAPI, OAuth, REST API design, React, Apache.

Technical Accomplishments

- Key contributor at 3 consecutive companies which resulted in successful acquisitions
- In the Google Vulnerability Reward Program Hall of Fame for discovering a security vulnerability in Google Docs
- My article on Python's function attributes was cited by Python inventor Guido van Russum
- Sojourn, a platform for sharing vacation homes with friends and family
- Corgi Party, a platform for making simple websites. It has 40 million visits and hosts 1+ million user-generated pages
- @itsavailable, a Twitter bot that programmatically discovers unregistered .com domains
- Created this resume template in HTML and CSS

Work Experience

Capsule
New York, NY/Remote

Staff Software Engineer — *September 2021–Present*

- Designed and implemented critical services that would scale elastically up to 100% market penetration.
- Created developer-friendly APIs to broker all electronic messages between doctor and pharmacy.
- Developed a process for identifying, monitoring, and mitigating system failures, ensuring the resiliency and recoverability of services.

Zipari
Brooklyn, NY/Remote

Technical Manager — *July 2020–September 2021*

- Led backend development for the company's largest group of products ($80 million+ in annual recurring revenue) with half the ~20 person backend engineering organization reporting to me

- Saved hundreds of hours of development time by rearchitecting backend systems to allow clearer seperation of concerns between components, effectively eliminating cross-team regressions
- Developed the execution plan for products over 1+ year timespan

Technical Lead
March 2020–July 2020

- Backend lead of the company's largest product ($22.5 million in annual recurring revenue)
- Developed hiring processes and conducted 70+ technical interviews and phone screens
- Defined coding standards and produced the onboarding documentation used by every new engineering hire
- Recognized as a "thought leader"—delivering technical presentations, making architectural decisions, and advising the engineering organization as a whole

Senior Software Engineer
September 2019–March 2020

- Developed a variety of data-intensive features such a user permission management tool, an alert system for sending ~1 million monthly notifications, and a Gmail-style message center—all under strict data privacy constraints
- Introduced asychronous concurrency patterns that dramatically improved system performance, decreasing login time from ~5s to ~2s. These patterns were ultimately adapted by the entire engineering organization
- Built an extensible billing system for PCI-compliant handling of recurring customer payments across multiple payment vendors
- Uncovered critical, unexploited security flaws potentially saving the company from substantial penalties

LexisNexis/Intelligize
New York, NY

Technical Product Manager
January 2019–September 2019

- Co-managed 60+ developers
- Rebuilt 2 critical applications in less than a year—integrating traditional and machine learning algorithms into the backend

Software Engineer
September 2016–January 2019

- Built a machine learning algorithm to classify financial risk factors with over 95% accuracy. This technology was a key selling point when the company was purchased by Lexis Nexis in 2016
- Built a system to match stock ticker codes with companies' public filings with 100% accuracy
- Built dashboards to monitor application speed, reliability and data integrity

Data Analyst
November 2014–September 2016

- Developed SQL reports across a database of 1000+ tables for business intelligence and sales teams
- Developed machine learning algorithms for classification, clustering, and document similarity

ScribbleLive
Toronto, ON (Remote)

Community & Alliance Manager
July 2014–November 2014

- Used modern front-end technologies to integrate a real-time social content delivery platform into customers' websites

Demand Media
Santa Monica, CA

Community Manager
December 2011–July 2014

- Responsible for RSS Graffiti, a SaaS for publishing content to social media, which powered over a quarter billion impression daily
- Managed customer support and social media marketing, reducing churn by ~20%

Education

University of California, Los Angeles (UCLA)
Los Angeles, CA

Political Science
2006–2010