

Aaron Harris

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Summary

Knowledge-driven Software Engineer who brings strong optimization techniques to RESTful web APIs with Python 3 and Flask. Now seeking a Senior Backend role that reflects this depth of experience with a team passionate about their product portfolio.

Skills

- Flask
- Microservices
- Public Speaking
- Mentoring
- REST
- Lean Kanban
- SDLC
- MongoDB
- Docker-compose
- Webhooks
- Heroku
- Layer2/3 Network Automation
- UML/PlantUML
- Django
- Python3
- Code Standards
- Asynchronous Flows
- TDD
- Agile
- RDBMS
- PostgreSQL
- Redis
- AWS
- Docker
- System Design
- Confluence

Experience

Network Developer II (Python Microservices)

Spectrum Enterprise (Charter Communications / Insight Global) • Austin, TX

02/2020 - 02/2022

- Created Python 3 Flask APIs to scale with Enterprise business demands, both for a high volume Customer-facing data portal and a Layer 2, Layer 3 device automation platform.
- Revised, refactored and documented legacy code bases to modern development standards, *reducing latency by orders of magnitude to allow growth at scale.*
- Improved and documented Team Standards and automated CI/CD for code review, while interviewing and mentoring new contractor hires.
- Promoted from Software Developer to Network Developer II for consistently meeting project goals within estimate.

Developer Advocate

Kite.com • San Francisco, CA

11/2018 - 01/2020

- Designed and built a scalable Github CI/CD integration with Python 3, Flask, and Node/Electron front-end, promoting uniform code and documentation standards.
- Served as a Python Subject Matter Expert for a Machine Learning Engineering team (Golang), helping to guide a multi-platform editor plugin, providing language and ecosystem insights.
- Attended conferences including PyCon 2019, representing our brand to industry and ecosystem leaders.

Python Software Engineer

Engineering Consulting (Freelance) • Austin, TX

01/2016 - 12/2018

- Created and documented a Geolocation app using Flask, Python 3, and SQLAlchemy for an Internet provider and multiple data APIs (including Google maps) on a cloud platform.
- Built and optimized RESTful web integrations for CRM platforms transforming data between web services (e.g. Sugar CRM, Zoho, Zapier) using Flask and cutting edge data presentation frameworks like Plotly/Dash.
- Automated trading algorithms (Conventional and Crypto)
- Market to and understand business needs for companies of diverse domains, applying pragmatic development and effective enterprise patterns.

Real Estate Sales and Referrals

JB Goodwin Realtors (Broker) • Austin, TX

03/2015 - 02/2016

- Built trusted relationships with business partners in a newly disrupted industry and changing market.
- Pivoted to web development after creating and maintaining a referral site (AustinAgentFinder.com), and discovering a genuine joy of software development.
- Compliance within a heavily legislated area and understanding of financial and fiduciary duty to clients.

Service Industry and Sales

Ask about my time as a Bartender/Bar Manager/Event Coordinator • Austin, TX

05/2007 - 01/2015

- Coordinate events with small business stakeholders, investors, celebrities, and influencers.
- Meet the needs of customers in an often brutally fast-paced environment.
- Create and market new products.
- Real-world (physical) optimization and automation problems.
- Manage automatic reordering (PAR) of complex inventory systems. Read "The Goal" and "Systems Thinking" which inspired a career change.

Education

Classics (Latin, Greek)

Austin College • Sherman, TX

05/2007

- Graduated cum Laude (3.7 GPA)
- Alpha Chi (Classics Honor Society)
- Model UN International East/West Conference

Hobbies

- Cycling, Hiking, Spicy Cooking, Mixology
- Restoring 80's, 90's computers (especially Compaq)
- Visiting the Austin Python Meetup
- Curiosity, Collecting Tech Books
- Being an A-A-ron and Keeping Austin Weird