Phil Bowman

Software Engineer — Python · Flask · SQL · Docker · Cloud

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Summary

Software Developer with hands-on experience building Python/Flask apps, SQL automations, and Dockerized services. Skilled at deploying apps to AWS and integrating APIs. Proven record of reducing billing errors 90%, automating workflows saving 20+ hours/month, and cutting Microsoft licensing costs 50%. Seeking to contribute as a developer building scalable web applications and automation solutions.

Core Skills

- **Programming & Frameworks:** Python, Flask, SQL/SQLAlchemy, VBA, PowerShell
- **DevOps & Cloud:** Docker, Git/GitHub Actions, AWS EC2, Azure, Google Cloud APIs
- **Web & APIs:** REST APIs, HTML/CSS, JavaScript
- **Databases:** SQL Server, Oracle, SQLite

Experience

Odin Electric — IT Specialist & Automation Developer *2024–Present*

- Cut Microsoft licensing costs 50% by optimizing Entra/Intune tenant.
- Reduced telecom costs 95% by replacing Comcast system ($462/mo) with $25/mo auto-attendant; cut Verizon 25%.
- Automated accounting workflows with SQL + VBA, reducing errors 90% and saving 20+ hrs/month.
- Built Python + PowerShell utilities for reporting and data cleanup.

ACS Amman — Software Developer & Technology Teacher *2016–2024*

- Built calendar sync app using Python, SQL, Google Cloud services (via REST API), Docker, and AWS EC2 used daily by students & faculty.
- Designed and taught full-stack curriculum (Python, SQL, APIs, HTML/CSS, Git).
- Built automation scripts and lightweight apps supporting educators and administrators.

Projects

- **Headsup:** Automated, containerized, API-connected bell schedule calendar sync app.
- **ZrRobot:** API-connected automated homework grader web app.
- **Risus Tools:** Single-page TTRPG character generator.
- **Multi-Puller:** Automated repo puller and shell script runner for student work.

Education & Certifications

- B.S., Software Engineering — Western Governors University
- AWS Certified Cloud Practitioner, ITIL Foundation, CompTIA Project+, AWS Solutions Architect – Associate (in progress)