Katrina Janeczko

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RESOURCES

LinkedIn: linkedin.com/in/katrinajaneczko   **Blog:** katrinajaneczko.net   **GitHub:** github.com/katrinajaneczko

SKILLS

Tools: Git, VSCode, Jira, Microsoft Office, Postman
Programming: Proficient in Python, Bash; Familiar with Go, Java, C, R, MATLAB, JavaScript, HTML/CSS
Web Framework & Libraries: FastAPI, Flask, Django, React, Axios, Requests, OpenCV, Pytest, MyPy, OneSignal notifications
MLOps: Model Deployment (on AWS), GitHub Copilot, BeautifulSoup, NumPy, Amazon Comprehend
Orchestration: Terraform/OpenTofu, Terragrunt, Terratest, Docker, AWS ECS
CI/CD: Advanced in Octopus Deploy, GitHub Actions; Familiar with Concourse CI
AWS Services: ECS Fargate, S3, ECR, Lambda, Lightsail, IAM, RDS, ACM, Route53, SNS, CloudWatch
Processes: Agile (Scrum/Kanban), code reviews, automated testing, RESTful API, infrastructure as code, continuous integration, continuous delivery
Languages: Fluent in English; Some Spanish and Russian

WORK EXPERIENCE

COMCAST   Philadelphia, PA
Software Engineer   Jul 2023 – Present
- Developed and maintained reusable, centralized InnerSource Terraform AWS modules with best practices, including a comprehensive full-stack module that integrates AWS ECS, ACM, load balancer, RDS, and secret management, streamlining infrastructure management, security, and reliability across Comcast
- Built a Terraform module for scalable, cost-effective ML model serving on AWS ECS, enabling seamless deployments in fewer than 10 lines of user code, reducing deployment complexity and operational overhead
- Developed and maintained an internal Terraform HTTP backend state management tool in Python, leveraging FastAPI for the backend API and PostgreSQL for data storage, and creating a Python CLI, in order to bring best practices in Terraform state management to every developer at Comcast
- Provided enterprise-scale white glove support for 60+ teams using Octopus Deploy, including debugging workflows, documenting processes and fixes, and teaching advanced delivery patterns
- Led the development and LLM integration of a Slackbot solution using Python, saving over 1000 developer hours per quarter through a RAG-style setup to automatically answer support questions for developer platforms
- Wrote a Go CLI for performing admin tasks in Octopus Deploy, enabling the team to build higher-level automations and reduce time spent on platform maintenance
- Engineered a modular, reusable Python client for an internal cost reporting API, with unit and integration tests using Pytest, type safety with MyPy, and well-structured documentation to support easy adoption and long-term maintainability
- Presented internally to 1000+ people on topics including DevOps/IaC, best practices, the developer experience, and project demos, enhancing organizational knowledge and establishing thought leadership

TEMPLE UNIVERSITY KORNBERG SCHOOL OF DENTISTRY   Philadelphia, PA
Software Engineer Intern   Jan 2023 – Jul 2023
- Wrote and updated automation software for admissions processes for 4000+ applicants using Java, Python, Postman, and WebAdmit API
- Led team of two student workers in designing system architecture and development plan for candidate selection software

TEMPLE UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY   Philadelphia, PA
Teaching Assistant for Discrete Math   Jan 2022 – Jul 2023
- Held 4‑6 office hours per week to answer questions and review class material for a class of 25+ students
- Created resources, notes, practice problems, and homework questions to assist students' understanding

EXTERNAL ENGAGEMENTS

- **Day Two DevOps Podcast** – Interviewed on the transition from college to industry and starting a career in DevOps
- **University of Pennsylvania Hackathon 2023** – Led an intro session on GitHub Actions for student developers
- **Temple University Data Science Club** – Gave a talk on early career growth and bridging the gap between education and real-world tech

EDUCATION

TEMPLE UNIVERSITY   Philadelphia, PA
Bachelor of Science in Computer Science & Mathematics; Minors in Spanish and Biology   Aug 2019 - May 2023
Honors: *magna cum laude*
Relevant Coursework: Java, Python, C, Object Oriented Programming, Data Structures & Algorithms, Systems Programming
   & Operating Systems, Software Design, Discrete Math, Calculus, Linear Algebra, Mathematical Modeling, Probability Theory,
   Real & Complex Analysis, Abstract Algebra

UNIVERSITY PROJECTS

STUDY BUDDY   2023
- Built a gamified progressive web app with web push notifications using React and Django that encourages academic success
- Integrated Canvas API to sync class assignments, implemented user authentication, and developed a point-based reward system with visual feedback to track user progress and boost motivation through personalized pet interactions
- Containerized with Docker, deployed via DigitalOcean, and automated CI/CD pipelines using GitHub Actions

SNAKE HUNT   2022
- Created a colorful 2D multiplayer game in Python using Pygame and Socket libraries, hosted locally
- Designed client-server network architecture with TCP protocol, used Pydoc to generate documentation, and wrote unit tests for game logic

SIMPLE SHELL PROJECT   2022
- Wrote from scratch a simple version of a Linux shell in C with both interactive and batch-file mode, I/O redirection capabilities, support of pipes, and support of background program execution
- Tested code on remote Linux server, used GDB to debug, created Makefile to compile, and wrote thorough documentation

IS IT VEGAN?   2020
- Independently researched OpenCV and web development to create a web app using Flask and Python, allowing users to determine a food product's vegan status