

Edward E Griebel Jr.

edgriebel@gmail.com | 585-705-1093 | github.com/edgriebel | linkedin.com/in/edgriebel

SUMMARY

A skilled Software Engineer with consistent success delivering systems while improving the productivity of his teams across multiple industries. Deeply passionate about collaborating with others to solve complex business challenges. Core competencies include:

Cross Function Collaboration | Agile Leadership | Mentoring | Python | Java | SQL

PROFESSIONAL WORK EXPERIENCE

Staff Site Reliability Engineer, Netskope

August 2023 – Present

Currently leading a team of SREs in multiple projects to support Netskope's data-loss prevention product by aligning deliverables with partner roadmaps, including hands-on engineering.

- Provide constructive mentoring, feedback, and guidance to up-skill team members and ensure work meets partner expectations.
- Participate in and supervise Level 1 and Level 2 24x7 on-call rotations during strategic transformation to a multi-tenant Kubernetes solution.
- Partner with development team to migrate multi-site Kubernetes microcluster deployments to Spinnaker.
- Drive improvements in on-call and change management procedures to improve productivity and stability.
- Implement utility to predict database capacity requirements based on existing customer metrics.

Technologies: Python | Kubernetes | Grafana | Prometheus

Adjunct Professor, Rochester Institute of Technology (*Part-Time*)

2017 – Present

Lecturer for courses in Java, DBMS, scripting, and Commercial software engineering practices.

Production Engineer, Meta

August 2021 – July 2023

Member of Ads Serving and Enterprise Provisioning teams that dynamically allocated Machine Learning models for Facebook and Instagram ads, and automated creation of thousands of physical and virtual machines.

- Created system to automate firmware updates for multiple hardware vendors across 10,000+ physical servers, eliminating ad-hoc processes and saving a week of effort for each team supporting a cluster.
- Improved on-call and user experience by improving procedures and adapting systems to detect and troubleshoot common errors, reducing on-call time spent from 20 hours to under 5 weekly.
- Led project to centralize configuration changes to ML/AI models in Meta's ad delivery stack, allowing machine learning engineers to safely make changes while avoiding unintended problems or outages.

Technologies: Python | Rust | SQL | Terraform

Lead Software Engineer, Marqeta

2020 – 2021

Technical lead for credit card processing including accounting ledgers and inbound transaction APIs.

- Worked closely with developers, product owners, and operations to create a new service for customers to offer white-label credit cards.
- Established/enhanced processes and procedures for product development and support.

Technologies: Java | MySQL | Spring Boot | Docker

Principal Software Engineer, Catalant Technologies

2019 – 2020

Built consensus around and implemented processes and procedures for primary SaaS product to improve long-term supportability and developer productivity.

- Researched performance, scalability, and stability issues and created short- and long-term plans to address. Negotiated with managers, product owners, and CTO for resources and prioritization.
- Mentored junior developers in company's platform and industry best practices.

Technologies: Python | Flask | JavaScript | Bootstrap | MySQL | Docker | Elasticsearch

Senior Middleware Architect, Paychex

2013 – 2019

- Created Python system to rebalance 20,000 databases among 200 Azure cloud pools with statistical and ML techniques.
- Planned and integrated AppDynamics Application Performance Monitoring on over 20,000 JVMs to track inventory and metrics, replacing a bespoke system saving 4 FTEs annually.

- Created custom Chaos Monkey to regularly terminate middleware and Java processes randomly.

Technologies: Java | JavaScript | Python | Scikit-Learn | SQL | Machine Learning

**ADDITIONAL
RELEVANT
EXPERIENCE**

Lead Software Engineer, Axeda/PTC
Senior Software Engineer, Frontier Communications
Lead Software Engineer, JP Morgan Chase
Software Engineer, BlackRock Financial Management

EDUCATION

M.S. in Computer Science - Georgia Institute of Technology, 3.9 GPA 2023

- Algorithms, Compiler Optimization, CPU Architecture, LLVM Software Analysis, ML Trading Techniques, AI Techniques for Robotics

[Resume created 2024-02-19 in ~~La~~^{TeX}. See it at github.com/edgriebe1]