Edward E Griebel Jr.

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

Skilled Staff Software Engineer with consistent success in building and improving systems across multiple industries while making teams more productive. Adept at solving complex business challenges by partnering with others.

Core competencies: Cross-Functional 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.

- Mentor, guide, and up-skill team members, ensuring that all work is appropriately performant and supportable.
- Participate in and supervise L1 and L2 24x7 on-call rotations during multi-year Kubernetes transformation.
- Partner with development team and peers to migrate multi-site Kubernetes microcluster deployments to Spinnaker.
- Implement utility to predict database capacity requirements based on existing customer metrics.

Technologies: Python | Kubernetes | Grafana | Prometheus

Production Engineer, Meta   August 2021 – July 2023

Member of Ads Serving team that dynamically allocated Machine Learning models for Facebook and Instagram ads, and Enterprise Provisioning team that 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 white-label credit card product.

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 supportability and developer productivity. Mentored junior developers in company's platform and industry best practices.

- Researched and created immediate and long-term plans to address performance, scalability, and stability issues.

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

Senior Middleware Architect, Paychex   2013 – 2019

- Created system to rebalance 20,000 databases among 200 Azure cloud pools with statistical and ML techniques.
- Replaced a bespoke system with AppDynamics across 20,000 JVMs to track inventory and metrics, saving 4 FTEs.
- Created custom Chaos Monkey to regularly terminate middleware and Java processes randomly.

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

Additional Relevant Experience

Adjunct Professor, Rochester Institute of Technology
    Lecturer for courses in Java, SQL/DBMS, and commercial software engineering practices
Lead Software Engineer, Axeda/PTC
Senior Software Engineer, JP Morgan Chase
Software Engineer, BlackRock Financial Management

Education

Master of Science in Computer Science - Georgia Institute of Technology, 3.9 GPA
- Algorithms, Compiler Optimization, CPU Architecture, LLVM Software Analysis, Applied ML and AI

Bachelor of Science in Computer Science and Engineering - Bucknell University