

Edward E Griebel Jr.

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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: Agile Leadership | Cross-Functional Collaboration | Mentoring | Python | Java | SQL

Professional Work Experience

Staff Software Engineer (SRE), Netskope

August 2023 – Present

Currently leading a team of Site Reliability Engineers to support Netskope's data-loss prevention product by aligning deliverables with partner roadmaps, including hands-on engineering and participating in oncall rotations.

- Partnered with development team to migrate Kubernetes deployments (including FedRAMP) to Spinnaker.
- Automated an existing process to calculate data center cost savings using Python and Jenkins, cutting analysis from eight hours to 15 minutes and reducing ongoing spend by \$35,000 in the first month.
- Implemented improvements in on-call and change management procedures to improve productivity and stability.
- Mentor and guide for team members to level them up and ensure that work is supportable and of sufficient quality.

Technologies: Python | Kubernetes | Grafana | Prometheus | Spinnaker | Jenkins

Production Engineer, Meta

August 2021 – July 2023

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

- 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 user experience by improving documentation and procedures, and using systems to automatically detect and troubleshoot common errors. The team went from 20 hours per week handling on-call issues to under five.
- 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

- Researched issues with performance and stability issues and initiated projects to address them.
- 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 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 Selected 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

- Algorithms, Compiler Optimization, CPU Architecture, LLVM Software Analysis, Applied ML and AI; GPA 3.9

Bachelor of Science in Computer Science and Engineering - Bucknell University