

# 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 systems and making teams more productive.  
Adept at partnering with people and teams to solve complex business challenges.

## Professional Work Experience

**Solution Lead**, Solu Technology Partners September 2024 – Present  
Technical lead for development teams, focusing on Artificial Intelligence and Java initiatives.

**Staff Software Engineer (SRE)**, Netskope August 2023 – September 2024  
Lead 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 dev team to migrate Kubernetes deployments (private cloud and FedRAMP) to Spinnaker CI/CD.
- Automated manual process to calculate data center cost savings using Python and Jenkins. Compressed data gathering and analysis to 15 minutes from eight hours and reduced data center spend by \$35,000 in the first month.
- Implemented improvements in on-call and change management procedures to improve productivity and stability.
- Mentored and leveled up team members and ensured that work was 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.

- Automated firmware updates for multiple hardware vendors across 10,000+ physical servers. Saved a week of effort for each upgrade of each cluster by eliminating ad-hoc processes.
- Enhanced customer experience by improving documentation, procedures, and automating detection and troubleshooting of errors. Reduced on-call load from 20 hours per week to less than five.
- Supported and enhanced systems to create/update baremetal and virtual machines using Python, VMWare and Chef.
- 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 | Chef

**Lead Software Engineer**, Marqeta 2020 – 2021  
Technical lead for credit card processing including accounting ledgers and inbound transaction APIs for 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.  
Technologies: Python | Flask | JavaScript | Bootstrap | MySQL | Docker | Elasticsearch

**Senior Middleware Architect**, Paychex 2013 – 2019  
▪ Created system to rebalance 24,000 databases among 200 Azure servers with statistical and ML-based 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.  
▪ Built single source of truth inventory system using relationships from Puppet, ServiceNow, and Oracle.

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

## Additional Selected Experience

**Adjunct Professor**, Rochester Institute of Technology  
▪ Lecturer for courses in Java, SQL/DBMS, Python/shell scripting, and commercial software engineering practices.

**Consultant and Subject Matter Expert**, Logical Operations  
▪ Created and advised on teaching materials for Machine Learning, Artificial Intelligence, and Data Science courses.

## Education

**Master of Science in Computer Science** - Georgia Institute of Technology, 2023 (GPA: 3.9/4.0)

**Bachelor of Science in Computer Science and Engineering** - Bucknell University