

Gautam Gadipudi

 (408) 564-9009  gadipudi.gautam@gmail.com  <http://bit.ly/gaga-linkedln>  <http://bit.ly/gaga-github>

SUMMARY

Infrastructure and Software Engineer with 5+ years of experience delivering secure, production-ready systems across cloud and on-premise environments. Skilled in backend development using Golang, Java, and Python, alongside expertise in Kubernetes, Linux systems, DevOps and CI/CD automation.

TECHNICAL SKILLS

Languages:	Java, Golang, Python, C#, JavaScript, C++
Platform Engineering:	Kubernetes, Docker, Bash, Helm, OpenEBS
Automation:	Ansible, GitHub Actions, Jenkins, Terraform
Backend Frameworks:	Node.js, .NET MVC, .NET Core, go-gin
Frontend Frameworks:	Vue.js, JQuery, Bootstrap
Database and Caching:	MongoDB, PostgreSQL, Opensearch, Redis
Monitoring Stack	Prometheus, Grafana and custom exporters
Cloud Platforms	AWS, GCP



PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise	San Jose, CA	Jan 2022 - Present
Software Engineer - Cloud	Platform Infrastructure Team	

- ❖ Designed and implemented solutions for the air-gapped, on-premise deployment of HPE's GreenLake Cloud Platform (GLCP) - contributing to the successful GA (General Availability) release of the platform, used by multiple enterprise customers in highly regulated sectors.
- ❖ Built a custom Linux-based platform featuring a multi-node Kubernetes cluster, a highly available replicated data plane, Golang-based microservices and a console for user interaction - designed for scalable deployments and 99.9% availability in production environments.
- ❖ Developed secure, compliance-focused software with FIPS-compliant OS and Kubernetes components, remediating CVEs in Docker images, and securing the Linux file system for highly regulated environments - contributing to security audit readiness and alignment with FedRAMP compliance
- ❖ Automated CI/CD pipelines with GitHub Actions to build, package and deploy the full infrastructure stack as VMs, enhancing developer productivity and ensuring fast, stable, and error-free releases.
- ❖ Built a secure gateway for customers to manage incoming/outgoing traffic from HPE on-prem devices (storage arrays and compute devices) to HPE cloud platform
- ❖ Created observability stack for the above Gateway application which:
 - creates custom Prometheus metrics for exporting
 - builds visualization with Grafana dashboards
 - adds rules for AlertManager
- ❖ Developed an app which collects, aggregates and monitors performance and configuration metrics, from various databases e.g. MySQL, MS SQL Server
- ❖ Collaborated with internal teams and external vendors (OpenEBS and Canonical) to integrate their software releases & features with HPE's cloud platform
- ❖ **Tech stack:** Go, Bash, Kubernetes, Ansible, Mayastor (OpenEBS), GitHub Actions

DeltaX
Full Stack Developer

Bengaluru, India
Ad Tracking Team

Jan 2018 - Aug 2019

- ❖ Developed API's with .NET framework to collect Ads data and track events from multiple streams: Google Ads, Facebook Ads, and Twitter Ads. Processed large volumes of data to/from SQL and NoSQL DB's to generate performance reports for over 50 clients.
- ❖ Built the UI to visualize and manage ad tracking data with Vue.js. Implemented browser caching & web sockets which reduced page load times
- ❖ Developed extensions for Chrome & Firefox with Vue.js and vanilla JavaScript, enabling customers to view ad events and generate campaign links using those events
- ❖ Contributed to the engineering blog: <https://engineering.deltax.com/>
- ❖ Followed Behavior Driven Development (BDD) to define user scenarios, improve collaboration between developers and QA, and ensure alignment with business requirements.
- ❖ **Tech stack:** C#, .NET, Vue.js, MS SQL Server, AWS S3, AWS OpenSearch

Techmojo Solutions
Node.js Developer Intern

Hyderabad, India
Roka (B2B fintech product) Team

Jun 2017 - Jul 2017







- ❖ Developed a pub/sub feature which delivers instant e-wallet balance updates to customers. Implemented the feature with Redis cache and Socket.io. Reduced latency in balance updates and improved the user experience.
- ❖ Followed Test-Driven Development (TDD) principles using Mocha in writing unit tests upfront to guide implementation and ensure long-term maintainability.
- ❖ Tech stack: Node.js, Java, Redis, Socket.io

EDUCATION

Rochester Institute of Technology, NY

Aug 2019 - Dec 2021

Master of Science in Computer Science

- ❖ Coursework: Big Data, Pattern Recognition, Web Technologies, Artificial Intelligence, Machine Learning, Computer Vision, Advanced OOP, Computational Problem Solving, Computer Networks and Algorithm Analysis.
- ❖ Projects:
 - * K-means clustering using MongoDB and Python3. 
 - * Packet analyzer for TCP, UDP and ICMP packets using Java. 
 - * RIPv2 using socket programming in Java. 
 - * Classify sentences into Dutch and English language using decision tree and adaboost learning. 
 - * A star algorithm to find the most efficient and safest path on a 3D map of a local park in Rochester. 
 - * Static Metadata Tracker for Detecting Silent JSON Errors in Python 

Manipal Institute of Technology, India

Aug 2014 - Jun 2018

Bachelor of Tech. in Computer Science

- ❖ **Coursework:** Data Structures, OOP, Algorithm Analysis, Introduction to AI and ML, Social Network Analysis, Software Engineering Designs and Principles, RDBMS, Operating Systems, Computer Architecture and Microprocessors.