Gautam Gadipudi

📞 (408) 564-9009   ✉ gadipudi.gautam@gmail.com   in http://bit.ly/gaga-linkedin   ⌂ http://bit.ly/gaga-github

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 deep expertise in Kubernetes, Linux systems, and CI/CD automation.

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise	**San Jose, CA**	**Jan 2022 - Present**
Software Engineer III (Cloud)	**Platform Infrastructure Engineering**	**#linux #kubernetes #golang**

- ❖ **Engineered 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. Maintained regular release cadence for the same.
- ❖ **Built a custom Linux-based platform** featuring a multi-node Kubernetes cluster, highly available replicated data plane, Golang-based system management tools, and a terminal UI for system interaction - designed for scalable deployments and 99.9%+ system availability in production environments.
- ❖ **Developed secure, compliance-focused software** by building FIPS-compliant OS and Kubernetes components, remediating CVEs in Docker images, and hardening the Linux file system to meet requirements for highly regulated environments - contributing to security audit readiness and alignment with FedRAMP and other regulatory frameworks.
- ❖ **Automated CI/CD pipelines** with GitHub Actions to build, package, and deploy the full infrastructure stack as Virtual Machines, enhancing developer productivity and ensuring fast, stable, and error-free releases.
- ❖ **Collaborated** with internal HPE teams to support integration of their software packages on top of our platform, and coordinated with external vendors such as OpenEBS and Canonical (MicroK8s) to manage new features and upstream releases.
- ❖ **Built and maintained** custom Prometheus exporters to expose metrics from internal systems for observability and alerting.
- ❖ **Delivered tech-preview of GLCP Local Gateway** - a secure gateway running in customers' datacenter to manage incoming/outgoing traffic from HPE Onprem-devices (like storage arrays and compute devices) to the cloud.
- ❖ **Delivered tech-preview of Infosight AppInsights** - an application level (in a standard networking OSI stack) monitoring tool to collect performance metrics and configuration details from disparate data sources across domains, such as logs, telemetry, and other sources.

DeltaX	**Bengaluru, India**	**Jan 2018 - Aug 2019**
Full Stack Developer	**Ad Tracking Team**	**#adtech #csharp #vue.js**

- ❖ **Developed backend services** using the .NET framework to collect ad metadata and track events from multiple data sources like Google Ads, Facebook Ads, and Twitter Ads. Processed high-volume data from SQL, NoSQL, and cloud databases to generate scheduled performance reports (daily to yearly) for over 50 clients.
- ❖ **Followed Behavior Driven Development (BDD)** to define clear, testable user scenarios, improve collaboration between developers and QA, and ensure alignment with business requirements throughout the development lifecycle.
- ❖ **Innovate and contribute** to the engineering blog regularly to share technical learnings, promote engineering best practices, and showcase team achievements to the broader developer community.
- ❖ **Built and maintained user-facing features** with Vue.js to visualize and manage ad tracking data, resulting in a more modular, maintainable frontend codebase and significantly reduced page load times for end users.
- ❖ **Developed cross-browser extensions** using Vue.js and vanilla JavaScript, enabling users to view ad events captured on web pages and generate ad campaign links directly within the browser for faster campaign setup.
- ❖ **Understand** the different stages of an ad, how an ad on the internet is tracked and why the vast data from an ad is important to a company.

Techmojo Solutions	**Hyderabad, India**	**Jun 2017 - Jul 2017**
Node.js Developer Intern	**Roka (B2B fintech product) Team**	**#ewallet #node.js #socket.io**

- ❖ **Designed and implemented** a "real-time" backend feature in Node.js to deliver instant e-wallet balance updates to users via Redis Pub/Sub and Socket.io, enabling seamless synchronization between backend transactions and frontend displays. This reduced latency in balance updates and improved the user experience.
- ❖ **Followed Test-Driven Development (TDD)** principles using Mocha to write unit tests upfront to guide implementation and ensure long-term maintainability.

SKILLS AND LANGUAGES

Languages:	Java, Golang, Python, C#, JavaScript, C++
Platform Engineering:	Kubernetes, Docker, Bash, Helm, OpenEBS
Automation Engineering:	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, Kafka
Monitoring Stack	Prometheus, Grafana and custom exporters
Cloud Platforms	AWS, GCP

EDUCATION

Rochester Institute of Technology, NY   **GPA: 3.38/4.0**   **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   **GPA: 3.0/4.0**   **Aug 2014 - Jun 2018**
Bachelor of Technology 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.