OSCAR ANTHONY BAEZA

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github.com/infcted
*More contact info available upon request.

PROFESSIONAL SUMMARY

Platform and Infrastructure Engineer with **6+ years of experience** designing **scalable, production-grade systems** that integrate **real-world hardware** and **cloud infrastructure**. Strong track record in **automating deployments**, managing **hybrid environments**, and making **complex systems** easy for customers and developers to use. Friendly, collaborative, and passionate about building **reliable, maintainable solutions** that **accelerate innovation** and **empower teams**.

PROFESSIONAL EXPERIENCE

Senior Platform Engineer

RIOS - Intelligent Machines

July 2025 - September 2025, San Francisco Bay Area

- Led design and deployment of **agentic edge platforms**, integrating **industrial hardware**, **orchestration services**, and **ML models** for **real-time decision making**
- Defined and implemented next-generation **CI/CD frameworks** and **Configuration Management solutions**, improving **release velocity**, **reproducibility**, and **resilience** across cloud and on-prem fleets
- Owned the **end-to-end lifecycle** of edge ML solutions, working with **ML teams** to validate models in **testing/staging environments** and delivered reliable **field deployments** with **high availability** and **fault tolerance**
- Partnered with cross-functional leaders to set **platform strategy**, scaling **reliability** and monitoring/automation practices company-wide
- Directed the build-out of **edge hardware and software**, ensuring seamless **scalability** from prototypes to fleet deployments

Platform Engineer

RIOS - Intelligent Machines

July 2024 - July 2025, San Francisco Bay Area

- Architected **scalable, multi-component systems** for processing **real-time on-site data** within **ML pipelines**
- Migrated from **ad-hoc provisioning scripts** to a **PXE + Chef provisioning process**, cutting **setup times** and reducing **configuration drift**
- Designed and maintained **testing environments** that mirrored production, enabling **rapid iteration** and **reliable rollout** to the field
- Built and maintained **deployment pipelines**, **monitoring**, and **telemetry** for **hybrid cloud/on-prem environments**
- Collaborated with **software** and **hardware teams** to integrate **complex decision systems** into production
- Improved **reliability** and **scalability** through **automation** and **configuration management**

Edge Software Engineer

Alphabet / Google X - Intrinsic AI

June 2022 - March 2023, San Francisco Bay Area & Munich, Germany

- Unified **infrastructure stacks** post-acquisition, integrating **cloud** and **edge components** seamlessly
- Managed **hybrid deployments** using **Puppet** and developed **streamlined node management tools**
- Designed and implemented new **cloud telemetry processes** to improve **observability**
- Defined and enforced **IP/NAT standards** for **secure**, **scalable hybrid networking**

Platform Engineer

Vicarious AI

February 2020 - June 2022, Union City, CA

- Automated **provisioning** and **fleet management** using **Chef**, reducing **deployment time** and **manual errors**
- Built and deployed **telemetry**, **monitoring**, and **provisioning tools** (**Grafana**, **Prometheus**, **Netbox**) to improve **system reliability** and **developer efficiency**
- Led **cross-team technical planning** and supported **customer deployments** integrating **hardware**, **networking**, and **cloud infrastructure**
- Managed **virtualized environments** (**VMware**, **VirtualBox**) and **software artifact systems** (**Artifactory**, **Debian packages**)

IT Infrastructure Engineer

Vicarious AI

August 2019 - February 2020, Union City, CA

- Managed **Linux**, **Windows**, and **MacOS environments** with **automated provisioning solutions**
- Administered **AWS**, **GCS**, **Active Directory**, and **user/group management**
- Built and deployed **network systems** with **automated scaling scripts**

TECHNICAL SKILLS

Infrastructure & Orchestration: Kubernetes, Helm, Docker, Terraform
Automation & Provisioning: Chef, Puppet, CI/CD pipeline design, custom provisioning scripts
Cloud & Hybrid Deployments: AWS, Google Cloud Platform, on-premise integration
Programming & Scripting: Python, Go, Ruby, TypeScript, Shell scripting
Monitoring & Observability: Grafana, Prometheus, telemetry pipelines
Networking & Security: IP/NAT planning, hybrid networking, secure deployment standards
Developer Enablement & Tooling: Nx, npm, internal tooling, configuration management (Chef / PXE), infrastructure onboarding
Virtualization & Systems: VMware, VirtualBox, Linux (expert), Windows, MacOS, Active Directory, Netbox, Artifactory

REFERENCES

Available upon request.