

# OSCAR ANTHONY BAEZA

[PDF Version]

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\*More contact info available upon request.

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## 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**.

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## PROFESSIONAL EXPERIENCE

### Senior Platform Engineer

#### RIOS - Intelligent Machines

*July 2025 - Present, 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
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### 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**

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## 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**
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## 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**)
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## 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**
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## 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

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## REFERENCES

Available upon request.