

# AMISH REGMI

New York, NY | [Email](#) | [GitHub](#) | [LinkedIn](#) | [Site](#)

## SUMMARY

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Backend engineer with 6+ years of experience building large-scale distributed systems across model serving and inference, agentic infrastructure and research, transactional systems and data consistency, and transportation.

## TECHNICAL SKILLS

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**Languages:** Python, Java, TypeScript

**AI Service / Infra:** Model serving, Inference routing, vLLM, Accelerator scheduling, Browser automation agents, Service observability agents, System design and research, Data reliability and correctness

**Deliveries:** 0-to-1 systems, Product development, API and service design, Networking and routing, Scaling and deployment automation, Infrastructure as code, Observability and monitoring, Fault tolerance and reliability, ETL, Security reviews, On-call and production operations

## PROFESSIONAL EXPERIENCE

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### Klaviyo, Inc.

*AI Engineer*

Remote

Apr 2026 to Present

- Building a natural-language interface that unifies scattered data into analytics intelligence.

### Amazon AGI

*Software Engineer*

Boston, MA

Jul 2024 to Apr 2026

- Improved host utilization for foundation-model inference by re-architecting request routing to a model-slot assignment scheme, eliminating retry and resource-contention failures.
- Decoupled model-scaling configuration from code deployment, turning multi-week rollouts into minutes for every internal team.
- Built the team's first EKS foundations, supporting the initial Nova reasoning-model launches.
- Built the Nova Act Gateway, the service the Nova Act browser-automation SDK communicates with for agentic web-UI automation.
- Built an agentic on-call service, adopted by three teams, that reduced API fault-detection time by 98%.

### Amazon AWS Marketplace / Global Mile

*Software Engineer*

Austin, TX / Boston, MA

Oct 2021 to Jun 2024

- Built service and infrastructure for AWS Marketplace Agreements APIs, supporting their first public launch with 100% data accuracy for transactions worth billions of dollars.
- Built a stream-driven auditor service for real-time ETL and data consistency across procurement systems.
- Built microservices supporting \$20M+ monthly cargo flight-management and cross-border compliance workflows.

### IBM Corporation

*Software Engineer*

Dublin, OH

Jul 2020 to Oct 2021

- Delivered AS4 messaging integration for European e-invoicing compliance, the transport standard used by the Peppol network, and built a blockchain-based discrepancy-alerting system presented to 600+ IBM executives.

## EDUCATION

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**Trine University**, M.S. Engineering Management

Dec 2024

**Ramapo College of New Jersey**, B.S. Computer Science; Math minor

Jun 2020