Tony Coppola

Atlanta, GA | tony@tonycoppola.net | tonycoppola.net | www.linkedin.com/in/tonycoppola2

SUMMARY

Cloud engineer with 9 years of building and running apps on AWS (Lambda, ECS, CloudFront, EC2) with Terraform. I write a lot of event-driven automation in Python, EventBridge rules that trigger Lambda functions, most of it to provision and govern 2,000+ AWS accounts. With AI coding agents, I take new ideas to production in days, not weeks.

EXPERIENCE

Senior Infrastructure Engineer
Warner Bros. Discovery | Atlanta, GA | 03/2020 – Present

- Automate the lifecycle of 2,000+ AWS accounts with event-driven Python: EventBridge rules trigger Lambda functions that create, baseline and update accounts (ServiceNow approvals, AWS Organizations, SCPs, StackSets).
- Built a Terraform framework (~50 modules) that provisions 100+ apps: CloudFront sites, Lambda, ECS Fargate, EC2.
- Take new apps from proof of concept to production end to end: AWS account, Terraform, ECS or Lambda app, CI/CD pipeline. AI coding agents cut this from weeks to days.
- Introduced a monorepo pattern for new apps: app and infrastructure code together, an agent-built Terraform bootstrap, GitHub Actions deploys through OIDC (no long-lived keys), one Makefile for local and CI.
- Led the migration of 1,000+ AWS accounts into one payer after the WarnerMedia–Discovery merger, across finance, network, security and app teams.
- Led the rollout of AWS Identity Center with Okta (SCIM), now the standard human access to all AWS accounts; extended to GCP, Azure in progress.
- Work with the central security team on company-wide controls; built a Python IAM brownout tool that has removed thousands of unused access keys.
- Built the infrastructure for company-wide AI hackathons in 2024 and 2025 (thousands of participants, hundreds of AWS and GCP accounts each): networking, SCPs, Bedrock access, cost dashboards, cleanup.
- Run an AI gateway for about 50 users; co-maintain a company-wide repo of agent skills with about 500 users.
- Co-built self-service AI sandboxes: time-limited AWS accounts with guardrails and automatic cleanup.
- Set up Amazon EKS access (IAM, RBAC) and Helm deployments; provisioned a managed Kubernetes cluster on Tencent Cloud in 3 environments.
- Host weekly internal meetups on agentic workflows; member of the AI Governance Council; do architecture reviews and mentor junior engineers.

Senior Software/Systems Developer
Turner Broadcasting (now Warner Bros. Discovery) | Atlanta, GA | 12/2018 – 03/2020

- Built Boxer, a Python CLI that deployed 4,000+ vSphere VMs in a year, enabling a datacenter exit (~$2M saved).
- Deployed the Broadcast division's first EKS cluster, for CNN Elections; still in use.
- Automated CI/CD for 90+ microservices; built a Python pre-commit framework adopted by multiple teams.

Software/Systems Developer II
Turner Broadcasting (now Warner Bros. Discovery) | Atlanta, GA | 06/2017 – 12/2018

- Built automation tooling that saved thousands of engineering hours a year; supported releases for 90+ applications on AWS and vSphere.

Associate Software Engineer
Apprenda, Inc. | Troy, NY | 08/2016 – 06/2017

- Built core features and the unit, integration and end-to-end test systems of an enterprise PaaS.

SKILLS

- AI: Claude Code, pi, Cursor, GitHub Copilot; parallel subagents, agent skills, AI code review; LiteLLM, Bedrock
- AWS: Lambda, ECS, CloudFront, API Gateway, EC2, EventBridge, Organizations, IAM, S3, VPC, WAF, CloudTrail
- Platform and DevOps: Terraform (IaC), CI/CD, GitHub Actions (OIDC), Make, monorepos
- Languages: Python (uv, Click, boto3, Jupyter), Bash
- Containers: Docker, Amazon ECS (Fargate and EC2); Amazon EKS and Helm (working knowledge)
- Identity and governance: Okta, SCIM, SCPs; GCP and Azure (identity and governance); Tencent Cloud
- Monitoring: CloudWatch, Splunk

EDUCATION

M.S. in Computer Science (Machine Learning specialization), Georgia Institute of Technology, in progress

- 15 of 30 credits completed (online program, OMSCS); resuming Spring 2027

B.S. in Physics, Rensselaer Polytechnic Institute, 2013