

Antonio Coppe

Toronto, ON | +1-437-898-8542 | antonio.coppe@gmail.com
linkedin.com/in/antonio-coppe | github.com/AntonioCoppe

SUMMARY

Accomplished Software Engineer with 2+ years delivering backend and full-stack solutions in C#, Python, Java, and JavaScript. Proven track record building high-availability microservices on AWS (ECS, ECR) with Terraform, designing secure authentication and RBAC flows, and shipping React/Next.js applications. Skilled in observability (Sentry), CI/CD automation, and driving technical strategy to balance speed, quality, and scalability.

EXPERIENCE

Software Engineer (Backend & Game Services), Vinyl Studios Jan 2023 — Jan 2025
Melbourne, Australia

- Refactored C# waypoint algorithms to boost simulation throughput from 20 FPS at 10 waypoints to 300 FPS at 100 waypoints, ensuring low-latency performance under load.
- Built a React-based performance dashboard integrated into GitHub Actions and monitored via Sentry.
- Architected and load-tested a C# microservice on AWS ECS supporting 1,000+ concurrent sessions with 99.9% uptime.
- Implemented NUnit and xUnit test suites for C# services, achieving 95% coverage and preventing regressions in critical workflows.

Junior Developer Analyst, Multinext Jul 2022 — Jan 2023
Bolzano, Italy

- Developed RESTful APIs using Python and Django to process 20,000+ daily requests, ensuring scalable, well-tested endpoints.
- Automated MQTT message decryption with Bash scripts to resolve data-flow errors, restoring reliable telemetry pipelines.

PROJECTS

Notion Template Shop (Personal Project)

Shipped a Next.js 15 marketplace with Supabase Auth and Stripe Connect by designing JWT-based session cookies and role-based access control to secure buyer and vendor workflows. Integrated real-time email delivery using Resend and implemented multi-vendor onboarding with Stripe Connect.

CI/CD Pipeline for Java App (Systems Engineering)

Co-authored a CI/CD workflow using Maven, JUnit 5, GitHub Actions, Docker, AWS ECR/EC2, and Terraform to automate build, test, and deployment on every push to `main`, eliminating manual provisioning and ensuring consistent infrastructure delivery.

SKILLS

Programming: Java, C#, Python, JavaScript (React, Next.js)

Cloud & Orchestration: AWS (ECS, ECR), Terraform, Docker

Datastores & Observability: MySQL, PostgreSQL, Elasticsearch, Sentry, Kibana

Software Engineering: REST API Design, Distributed Systems, CI/CD Pipelines, Authentication & RBAC, Unit & Integration Testing, Technical Strategy, Code Reviews

Tools: GitHub Actions, Maven, Gradle, JUnit, NUnit, xUnit, Bash

Languages: English (fluent), Italian (fluent), German (intermediate)

EDUCATION

Libera Università di Bolzano — B.Sc. in Computer Science June 2025
GPA: 3.7

Published research: “Patterns for Using Hypothesis Engineering to Manage Architectural Uncertainties”

LEADERSHIP & ACTIVITIES

High-Altitude Hike – Dolomites, Italy Aug 2023
Climbed a 3,645 m summit and returned within 12 hours, demonstrating resilience and planning.