

Victor Salazar

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Education

Metropolitan State University of Denver

B.S. in Computer Science, B.S. in Mathematics

Denver, CO

Expected May 2027

Code the Dream

Full Stack Development Cohort | JS, React, Node.js, REST APIs, Git/GitHub

Remote

Expected Feb. 2027

Work Experience

Jr. GIS Analyst

Forged Fiber 37

June 2026 - Present

Denver, CO

- Maintain fiber network data in 3GIS by updating service location coordinates, GIS polygons, address records, and distribution layouts for residential construction planning.
- Analyze geospatial database records, spatial design changes, and desktop cost estimates to identify mapping inconsistencies, improve data accuracy, and support engineering review workflows.
- Support GIS data validation workflows using Python, SQL, and structured QA checks to improve service address data, network records, and planning documentation.

Founder & Technical Lead

OptimalDevs

Oct. 2025 - Present

Denver, CO · Remote

- Direct a software collective of four developers delivering client websites, internal tools, and business software for Denver small businesses through a zero-cost partnership model.
- Lead technical delivery across local business marketing sites, an internal AI developer onboarding platform, and an AI-assisted real estate listing presentation tool.
- Manage preview releases ready for client review using React, TypeScript, Astro, AWS EC2, Route 53, Caddy HTTPS, and GitHub Actions to support local search visibility, quote capture, and reviewable deployments.

Projects

BuildStory | AI Repository Onboarding Platform | *Next.js, FastAPI, PostgreSQL/pgvector, AWS ECS*

- Turned GitHub commits, pull requests, and source files into searchable timelines, guided repository tours, repository-aware chat, and plain-language explanations so developers can ramp onto unfamiliar codebases faster.
- Implemented hybrid retrieval with embeddings, vector search, PostgreSQL full-text search, and AI usage controls to keep answers grounded in repository context while limiting inference costs.
- Provisioned AWS infrastructure with Terraform, ECS Fargate, RDS PostgreSQL, ECR, ALB, IAM, CloudWatch, Docker, and GitHub OIDC to support private networking, automated releases, rollback, and cost tracking.

vics.codes | Portfolio Blog Backend | *Go, SQLite, AWS EC2, Caddy, GitHub Actions, Linux*

- Created a Go backend that serves dynamic technical posts from an HTTP server, SQLite store, and Caddy reverse proxy, replacing static pages edited by hand with a publishing flow backed by a database.
- Hardened the service on an AWS EC2 Linux host with GitHub Actions, systemd, Caddy HTTPS, firewall rules, key-only SSH, and automated security updates.

Microcap Event Intelligence | ML Research Platform | *Python, AWS SageMaker, Glue, Athena, XGBoost*

- Develop an ML pipeline that flags alleged coordinated microcap promotion events from legally documented labels, market data, and social text features while preventing lookahead bias through point-in-time feature engineering.
- Structure training and serving workflows around SageMaker, XGBoost, purged cross-validation, PR-AUC, precision@k, SHAP, Model Monitor, CloudWatch, and AWS CDK for reproducible, auditable MLOps.

Technical Skills

Languages: Python, TypeScript, Java, JavaScript, Go, C, SQL, Bash/Shell

Frameworks: Next.js, React, Astro, FastAPI, Spring Boot, Node.js, Express.js, Tailwind CSS

Cloud & DevOps: AWS, ECS, EC2, RDS, S3, CloudFront, Route 53, Lambda, CloudWatch, SageMaker, Docker, Terraform, Caddy, GitHub Actions, Linux

Databases: PostgreSQL, pgvector, MongoDB, MySQL, SQLite

Skills: REST APIs, Microservices, CI/CD, Unit Testing, Linux CLI, OOP, Concurrency, Network Security

Certifications: CompTIA Network+, CompTIA Security+, CompTIA PenTest+; AWS Certified Developer – Associate, AWS Certified Solutions Architect – Associate, AWS Certified CloudOps Engineer – Associate; MongoDB Associate Developer