

# ASHWINI CHAUDHARY

CTO | Hands-on Engineering Leader | Backend, Platform & AI Systems

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## PROFILE

Hands-on CTO with 12+ years across backend systems, payments, platform engineering, reliability, security, and AI-enabled internal tooling. I lead teams, shape technical direction, hire and mentor engineers, and still work deeply as an individual contributor on architecture, infrastructure, migrations, developer tooling, and other high-leverage technical initiatives. My work sits at the intersection of product delivery, platform engineering, software quality, and practical AI adoption.

## EXPERIENCE

### Chief Technology Officer

Diversio Inc

Jul 2024 - Present

Toronto

- Lead Diversio's pivot to Optimo while continuing to maintain, simplify, and evolve the core Diversio product.
- Own engineering across architecture, infrastructure, reliability, security, internal tooling, engineering quality, and long-term technical strategy.
- Remain a highly hands-on technical leader, contributing directly to architecture, infrastructure, migrations, developer tooling, security, and other critical engineering initiatives.
- Reduced maintenance cost by simplifying systems, improving maintainability, and making the platform easier for engineers to operate.
- Led cost-cutting, vendor rationalization, and a successful SR&ED round that secured savings for Diversio.
- Negotiated and maintained critical software vendors and services used across the company.
- Led migration of the API workflow from Postman to Bruno; the resulting blog post was later featured in Bruno's marketing.
- Managed career progression, mentoring, code review standards, and day-to-day technical leadership across engineering.
- Hired and mentored many co-op students in Canada, including from the University of Toronto, Queen's University, the University of Waterloo, and other top programs.

### Head of Engineering

Diversio Inc

Jul 2023 - Jun 2024

Toronto

- Led engineering execution across teams through hiring, mentoring, delivery improvements, internal tooling, and stronger engineering standards.
- Directed major platform and stack consolidation work following Diversio's acquisition of CCDI Consulting Inc.
- Strengthened development workflows and cross-team delivery practices while keeping core systems maintainable.

### Lead Engineer

## LEADERSHIP FOCUS

- Engineering leadership and technical strategy
- Backend, platform, and infrastructure architecture
- Reliability, security, compliance, and operations
- Hiring, mentoring, career progression, and code quality
- Developer tooling and internal platform improvements
- AI-assisted engineering workflows and delivery systems

## CORE STACK

Python, Django, Postgres, AWS, Terraform, Docker, Redis, Celery, Go, Node.js, Linux, and Git.

## HIGHLIGHTS



### Team leadership

Led engineers through hiring, mentoring, technical direction, and review standards.



### Platform ownership

Owned infrastructure, Terraform/Terragrunt, deployments, reliability, and delivery systems.



### Technical breadth

Worked across backend systems, payments, migrations, security, performance, and developer tooling.



### Public technical profile

Writer, speaker, open source contributor, and long-time Stack Overflow contributor.

## RECOGNITION

- Stack Overflow: 252K reputation, 3,700+ answers, ranked #287 overall.
- Unsplash: 207M+ views, 1.2M+ downloads, and top 1000 on the platform.
- Arctic Code Vault Contributor.
- Won Instamojo's hackathon for building a payments-powered vending machine.

## Diversio Inc

📅 Aug 2019 – Jun 2023

📍 Toronto / Remote

- Early engineering hire who helped build core backend systems and infrastructure across multiple products.
- Owned infrastructure using Terraform and Terragrunt, along with deployments, production operations, and platform capabilities.
- Led successful SOC 2 work and supported multiple penetration testing rounds and related remediation.
- Built internal developer tooling and engineering processes that improved productivity and delivery.

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## Software Engineer

### Unhaggle Inc

📅 Nov 2017 – Feb 2021

📍 Remote

- Owned infrastructure, site reliability, and deployments for the Dealer team.
- Built internal tools that improved developer productivity and delivery.
- Delivered application performance improvements in Python and PostgreSQL.

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## Senior Software Engineer

### Instamojo

📅 Mar 2015 – Oct 2017

📍 Bengaluru

- Led backend work on card processing and storage projects.
- Built and maintained Instamojo's e-commerce plugins and SDKs across WordPress, OpenCart, PrestaShop, Magento, Drupal, MeteorJS, CS-Cart, WHMCS, and Python/Ruby/PHP wrappers.
- Delivered key features including KYC onboarding, Orders API, payment gateway integrations, social login, and automated refunds.
- Helped port the main application from Python 2 to Python 3 and improve performance across Postgres, Django, and Python.
- Added code quality hooks using flake8, Mypy, Golint, and Vet.

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## Python Developer

### Simform Solutions

📅 Sep 2013 – Feb 2015

📍 Ahmedabad

- Built the real-time backend for SentMap using Node.js, Socket.IO, and Express to stream market and sentiment data over WebSockets.
- Implemented 3D frontend charting in three.js and 2D charting in Highcharts.
- Built API backends for Breakup RX App and Minho App using Django and Django REST Framework.
- Wrote group chat infrastructure for both apps using Twisted.

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## WRITING & COMMUNITY

### Selected writing

- How We Use AI Like Engineers
- No Code by Hand: Agentic Platform Acceleration

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## EDUCATION

### B.Tech. in IT

#### IMS Engineering College

📅 2009 – 2013

📍 Ghaziabad

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## LINKS

- 🌐 [ashwch.com](http://ashwch.com)
- 🐙 [github.com/ashwch](https://github.com/ashwch)
- 🌐 [linkedin.com/in/ashwch](https://linkedin.com/in/ashwch)
- 📖 [Stack Overflow](#)
- 📷 [Unsplash](#)

- From Postman to Bruno: How AI Changed Our API Workflow
  - Protecting Our Own Tenant in a Multi-Tenant SaaS
  - Insights From Everything I Know About Good System Design
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## Open source, speaking & community

- Contributed to the Python ecosystem through typeshed, mypy, django-debug-toolbar, pep8speaks, django-annoying, pgmpy, and related projects.
- Built Instamojo payment SDKs and e-commerce plugins across Python, PHP, Ruby, Java, and .NET.
- Built public tooling including auto-uv-env, precommit-vet-lint, ew, microverse, wt, and agent skills / MCP-related projects.
- Answered 3,700+ Python questions on Stack Overflow, spoke at MUPy, and coached at Django Girls Bangalore.