

SIDHARTH GROVER

SOFTWARE ENGINEER (FULL-STACK | PLATFORM | ANALYTICS | AI)

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PROFESSIONAL SUMMARY

- 4+ years building React/Next.js + Python microservices; shipped analytics used by 900+ orgs and mobile features for 25k+ users.
- Back-end focus in Python (Flask/FastAPI), Node.js; Docker + Kubernetes; SOC 2 aligned CI/CD and observability.
- Built Model Context Protocol (MCP) servers to expose internal tools for agentic workflows (auth/logging/rate limits).
- Quality-driven: testing/monitoring, data discovery, and developer experience; collaborate closely with design/PM.

CORE COMPETENCIES

- **Languages:** Python, TypeScript/JavaScript, Java, C++, Dart, Racket
- **Backend:** Flask/FastAPI, Node.js/Express, REST/gRPC, Async jobs, Auth0.
- **Frontend:** React, Next.js, Redux, HTML/CSS, Chakra UI, Ant Design, Bootstrap
- **Data/Storage:** PostgreSQL, MySQL, MongoDB, Firebase, Redis, Caching
- **Cloud/Infra:** AWS, Azure, GCP, Docker, Kubernetes, Terraform, Networking (Cilium, Calico)
- **AI/Agents:** Model Context Protocol (MCP) servers, tool/function calling, prompt orchestration
- **Testing/Obs:** Pytest/Jest, CI/CD (GitHub Actions/Jenkins), metrics & tracing dashboards, LoadRunner, AppDynamics
- **Security/Compliance:** SOC 2 controls, secrets & IAM, audit logging
- **Tooling:** Jira, ClickUp, GitHub, Jenkins, Intercom, Amplitude, Mixpanel, Figma, Canva

WORK EXPERIENCE

DYNE Technologies Inc. | Vancouver, BC

May 2021 - Present

Chief Product Officer / Founding Software Engineer

- Spearheaded DYNE Web Dashboard (React, Next.js, Chakra UI, Auth0), scaling to 900+ client orgs in a PLG motion.
- Led mobile app in Flutter with geofencing, reaching 25k+ users, +20% retention, and improved engagement.
- Built pricing/forecasting pipelines via Python microservices with 20+ POS/API integrations (Toast, Stripe, Google, OpenAI, Meta).
- Built & deployed MCP servers that exposed pricing/sync/triage tools to agentic workflows with auth, rate limits, and logs.
- Managed SOC 2 compliant CI/CD pipelines across 7+ engineers; enforced testing (Jest, Pytest), alerting, feature flags.
- Improved onboarding time -40%, customer satisfaction +30%, and user retention +20% through UX iteration and analytics.

Deloitte | Vancouver, BC

January 2022 - April 2022

Cloud Engineering Analyst

- Developed cloud transformation strategies and AWS fault-tolerant recovery environments using Terraform.
- Performed resilience testing with AWS Fault Injection Simulator and LoadRunner (VuGen scripts).
- Hardened Kubernetes network policies using Calico & Cilium to improve security and observability.
- Created cloud roadmaps, conducted risk assessments, and optimized DevOps pipelines for client transitions.

Arista Networks | Vancouver, BC

August 2021 - December 2021

Software Engineer

- Enhanced Arista's Cloud Vision platform with new features using JavaScript, React, Ant Design and Redux, increasing user satisfaction.
- Conducted end-to-end Cypress testing, fixing 15+ bugs and designing a feature that improved platform reliability with beta testing.

ACHIEVEMENTS AND AWARDS

- Top 10 Microsoft Startup Partner (2023) | Pegasus Program
- Top 5 Startup @ Collision Conference (2022)
- Selected for Y-Combinator Interview (top 7% of 30,000+ startups)
- #1 Venture in BC @ Valhalla Investment Summit (2021) | Top 7 Ventures @ Entrepreneurship@UBC (2021)
- UBC Dean's Honour List (2020), \$5,000 Science Scholarship
- \$80,000 UBC International Major Entrance Scholarship (2019) | \$10,000 Outstanding International Student Award (2019)

PROJECTS

- **MCP Server Suite | Sept 2025:** Python MCP server + client for document management; exposed tools/resources/prompts; roots permissions with async cleanup; progress notifications & sampling callbacks; STDIO/HTTP transports with JSON-RPC tracing.
- **DevOverflow (Stack Overflow Clone) | Feb 2025:** Next.js + TypeScript, MongoDB, Tailwind/shadcn; SSR/ISR with server actions & API routes; NextAuth OAuth; Markdown Q&A with voting; server-side search + recommendation; AI-assisted answers; Lighthouse 100.
- **UBZ: University of Bozos and Zombies (CPSC 427) | Dec 2024:** Co-built a cross-platform 2D game engine (C++, OpenGL, Box2D) with modular physics, AI pathfinding, and interactive UI; optimized gameplay through iterative user testing and QA feedback.
- **Real Estate Price Prediction (R) (STAT 306) | Jan 2024:** Regression model for Taiwan housing prices; feature engineering with tidyverse and visualization in ggplot2; achieved 81.42% adjusted R².
- **Schedule & Event Planning System (Java) | June 2021:** Desktop app for 50+ NGOs to manage schedules, volunteers, and expenses; Java Swing UI with JSON data persistence and audio enhancements.

EDUCATION

- **Bachelor of Science Combined Major in Computer Science and Statistics** | University of British Columbia, Vancouver, BC, CA