

Patrick Ambrose

DevOps & Software Engineer

📍 Chennai, India ✉ hey@patrickambrose.com 💻 patppuccin 🌐 pat-ambrose 🌐 www.patrickambrose.com

DevOps-focused software engineer with 5 years of experience building scalable infrastructure, automation pipelines, and internal platforms across cloud and hybrid environments. Known for solving complex engineering challenges, improving performance, and integrating emerging technologies into practical, high-impact systems. Driven by curiosity, precision, and a continual pursuit of technical excellence.

Experience

Senior Executive - Digital Transformations

Caplin Steriles Limited

📅 2022 August - Present 📍 Chennai, India

- Designed & built an internal Wiki system in Go, managing 4,000+ PDF documents with full text search & multimedia playback.
- Architected MCP Servers as a proof-of-concept personal assistant integrating AI & automation services.
- Automated application onboarding and bulk management using Python + Playwright, reducing manual setup time by 80%.
- Engineered a Go-based SQL Server backup service with retention, compression, and scheduled jobs.
- Modernized infrastructure by migrating from legacy Apache to Caddy, implementing auto-renewing SSL/TLS with Let's Encrypt.
- Developed automation workflows for reporting & analytics using Python, PowerShell & VBA enabling data-driven decisions.
- Implemented Python-based analytics and web-scraping pipelines to monitor ChatGPT usage and derive actionable insights.

Planning & Scheduling Specialist

Dr.Reddy's Laboratories

📅 2020 July - 2022 August 📍 Hyderabad, India

- Streamlined operational processes through automation and data-driven tooling within the logistics domain.
- Designed a near real-time system to forecast material shortages, reducing production delays.
- Utilized SAP and custom scripts for data processing and monitoring to enhance efficiency.

Open Source Projects

ASKY - Interactive prompt library for Go

📅 2025 - Present

Golang TUI library that provides primitives for building interactive prompts, designed to be simple, lightweight, and extensible.

🌐 github.com/patppuccin/asky

Viewr - Web-based, read-only file browser

📅 2025 - Present

Web-based, read-only file browser that allows file browsing that can be used internally or behind a tunnel or a VPN.

🌐 github.com/patppuccin/viewr

Methodologies

Agile, Scrum, Kanban, Lean, DevOps Culture

Tech Stack

Programming & Scripting: Go, Python, PowerShell, Bash, Bun/NodeJS, Rust

Databases: SQLite, PostgreSQL, MySQL/MariaDB, MongoDB, Redis, Valkey

Cloud & Edge: AWS, Cloudflare, DigitalOcean

Containers & Orchestration: Docker, Podman, Kubernetes, Nomad

Automation & Infrastructure: Terraform, Pulumi, Ansible, Packer, Vagrant, Make/Task

CI/CD: GitHub Actions, Jenkins, ArgoCD, DroneCI

Observability: Grafana, Prometheus, Loki, Meilisearch

OS & Networking: Linux, Windows, Nginx, Caddy, Traefik

Security & Secrets: Vault, SOPS, GPG, DPAPI, OpenSSL

Web Stack: FastAPI, Astro, AlpineJS, HTMX, TailwindCSS, Playwright

Tooling & Productivity: VSCode, Git, Figma, Notion, fzf, tmux, Nushell

Certifications

AWS CSA - Associate 2022

Certified Solutions Architect

AWS CCP - Associate 2021

Certified Cloud Practitioner

Education

SASTRA University

B.Tech in Biotechnology

2016 - 2020 Tanjavur, TN