

Ali Abbas Chadhar

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EXPERIENCE

Founder & Freelance Full-Stack Developer

2025 – Present

Praxis Labs

Hafizabad, Pakistan

- Founded and operated a software agency delivering custom websites and web applications for local businesses.
- Designed, developed, and deployed responsive portfolio websites for visa consultancy firms using Next.js, TypeScript, and modern frontend technologies.
- Worked directly with clients to gather requirements, present progress, incorporate feedback, and deliver projects within agreed timelines.
- Managed hosting, domain configuration, deployment, and ongoing maintenance after project delivery.

PROJECTS

Distributed Browser Orchestration Platform | *Terraform, Tailscale, ArgoCD, PostgreSQL*

- Engineered a hybrid multi-cloud Kubernetes cluster with the control plane on AWS and worker nodes on DigitalOcean, provisioned entirely with Terraform and kubeadm.
- Secured all cross-cloud cluster communication through a Mesh VPN, eliminating direct public connectivity between nodes.
- Built a highly available PostgreSQL deployment with connection pooling, automated leader election, and Ingress exposed through a Load Balancer.
- Automated infrastructure and application deployments using an GitOps workflow, enabling Git-driven production releases.

E-Commerce Microservices Platform | *Docker, Kubernetes, GitHub Actions, ArgoCD, OpenTelemetry*

- Containerized and deployed a 20+ service e-commerce application written in more than 10 programming languages on Kubernetes.
- Built a CI/CD pipeline with GitHub Actions and ArgoCD for automated GitOps-based deployments.
- Instrumented every microservice with OpenTelemetry to enable end-to-end distributed tracing.
- Deployed the application across multiple Kubernetes environments using ArgoCD ApplicationSets.

Kubernetes Observability Stack | *OpenTelemetry, Prometheus, Grafana, EFK*

- Implemented the three pillars of observability (metrics, logs, and traces) for a Kubernetes-based microservices application.
- Instrumented services with OpenTelemetry and exported distributed traces to Jaeger for request-level debugging.
- Collected infrastructure and application metrics with Prometheus and built Grafana dashboards for real-time monitoring.
- Centralized application logs using Fluent Bit, Elasticsearch, and Kibana, enabling efficient log aggregation and troubleshooting.

College Management Portal | *Next.js, TypeScript, PostgreSQL, Clerk, Vercel*

- Built and deployed a full-stack college management portal supporting students, faculty, and administrators.
- Implemented role-based authentication and authorization using Clerk with PostgreSQL as the primary database.
- Developed modules for fee management, timetable scheduling, quizzes, attendance, and question banks.
- Created a QR code workflow allowing faculty members to verify student information instantly.

Copilot Super Powers | *TypeScript, VS Code Extension API*

- Developed a VS Code extension that helps developers organize and manage reusable AI agent skills directly inside the editor.
- Built a native extension using the VS Code Extension API with persistent storage and search capabilities.
- Designed a streamlined workflow that reduces context switching when working with AI-assisted development.

EDUCATION

University of Punjab

Bachelor of Science in Computer Science

Lahore, Punjab

Nov. 2022 – Aug 2026

TECHNICAL SKILLS

Languages: TypeScript, Python, JavaScript, Bash, SQL, C++, Java
Cloud: AWS, DigitalOcean, Linode
Containers & Orchestration: Docker, Kubernetes, Helm, kubernetes
Infrastructure as Code: Terraform, Ansible
CI/CD & GitOps: GitHub Actions, ArgoCD, Git
Networking: NGINX, HAProxy
Observability: *OpenTelemetry, Prometheus, Grafana, Jaeger*
Databases: PostgreSQL, MongoDB, Redis, PrismaORM, Drizzle ORM
Backend: Node.js, Bun, Express, Next.js, GraphQL, REST APIs
Messaging: Kafka, RabbitMQ, Redis Streams
Security: Terraform Vault, Trivy, Checkov, SonarQube, Cloudflare Turnstile, reCAPTCHA

LEADERSHIP & COMMUNITY

Technical Speaker	2026
<i>University of the Punjab</i>	<i>Lahore, Pakistan</i>
- Delivered a technical session on the software delivery lifecycle, explaining modern DevOps practices from development through deployment and production operations. - Presented concepts including CI/CD, containerization, Kubernetes, GitOps, observability, and cloud infrastructure to fellow Computer Science students.	
Technical Writer	2025 – Present
<i>Personal Blog</i>	
- Write technical articles on Kubernetes, Docker, Linux, observability, networking, and cloud infrastructure. - Publish hands-on tutorials covering real-world DevOps practices and production deployments.	
Peer Mentor	2023 – Present
<i>Department of Computer Science</i>	<i>Lahore, Pakistan</i>
Mentored classmates on software engineering, backend development, cloud computing, and Kubernetes, providing technical guidance on coursework and personal projects.	