

Ali Raza

Lead Software Engineer | Backend & DevOps | 10+ Years
brainlet.ali@gmail.com | linkedin.com/in/brainlet | github.com/brainlet-ali | brainlet.medium.com

EXPERIENCE

- Lead Software Engineer**Sep 2022 – Present
*Digital Ocean*Remote, US
 - Modernized legacy server provisioning system – 175+ files migrated, refactored architecture end-to-end
 - Led team of 6 on platform migration: 130+ endpoints total, 50+ migrated personally
 - Resolved 250+ tickets in Q4 2024 while managing tech debt and migration workload
 - Integrated Taxamo into billing system resulting in \$5M+ yearly net profit
 - Automated Adyen refund system enabling customer success to schedule full/partial refunds
 - Drove DDD adoption, championed TDD culture, onboarded 6+ engineers, established team documentation standards
- Senior Software Engineer**Mar 2022 – Aug 2022
*Cloudways*Karachi, Pakistan
 - Led POC for PHP framework 5.5 to 10.x upgrade using TDD methodology
 - Increased code coverage from 0% to 30%+ in two quarters while delivering operational tasks
- Development Specialist & Product Lead**Jun 2018 – Feb 2022
*Qu Technologies*Remote, UK
 - Monitor.temp.cam: Real-time contactless COVID-19 temperature monitoring, processing 1M+ readings/month for Chelsea FC, NHS UK, Metroline UK
 - WavePRO: Property CRM managing contacts, projects, units, offers, sales, and staff
 - QuScan: Mobile/web platform for customer-business communication with real-time sentiment analysis
- Senior Software Engineer**Apr 2014 – May 2018
*Arête Applications*Karachi, Pakistan
 - SAMENA Council: Full website and backend services architecture
 - Khilari PK: Sports platform featuring news, venues, events, and coach directory

PROJECTS

- Velocity Framework** | *Go, Driver Architecture*Open Source
 - Go web framework for full-stack and API/microservices with driver-based architecture (swap via .env)
 - Built Arc ORM (PostgreSQL, SQLite), custom Router, and 21 packages: Cache, Queue, Mail, Validation
 - Created vel CLI (dev server, migrations, code gen) and velocity-installer for project scaffolding
 - github.com/velocitycode/velocity
- Laravel Locksmith** | *PHP, Laravel, AWS IAM*Open Source
 - Secrets rotation orchestration with zero-downtime dual-key grace periods
 - Orchestrated workflow: generate → validate → swap → cleanup with audit trails
 - Built-in AWS IAM key rotation recipe with correlation IDs for debugging
 - github.com/brainlet-ali/laravel-locksmith
- QS Feedback Platform** | *Laravel 11, React Native, PostgreSQL*2024
 - Full-stack B2B SaaS with real-time chat (Pusher), offline sync, E2E testing with Maestro
 - Multi-tenant architecture with QR-based collection and advanced fraud prevention

TECHNICAL SKILLS

Languages: Go, PHP (Expert), TypeScript/Node.js, Python
Backend: Laravel, REST, gRPC, GraphQL, WebSockets, SSE, Event-Driven Architecture
Infrastructure: AWS (EKS, RDS, S3), Kubernetes, Docker, Terraform
Databases: PostgreSQL, MySQL, Redis, DynamoDB
Streaming: Apache Kafka, Redis Streams, RabbitMQ, SQS/SNS
Testing: TDD, PHPUnit, Go testing, Jest, k6 (load testing)

EDUCATION

Virtual University of PakistanLahore, Pakistan
*Bachelor of Computer Science*2014