

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
<i>Digital Ocean</i>	<i>Remote, US</i>
<ul style="list-style-type: none">Modernized legacy server provisioning system – 175+ files migrated, refactored architecture end-to-endLed team of 6 on platform migration: 130+ endpoints total, 50+ migrated personallyResolved 250+ tickets in Q4 2024 while managing tech debt and migration workloadIntegrated Taxamo into billing system resulting in \$5M+ yearly net profitAutomated Adyen refund system enabling customer success to schedule full/partial refundsDrove DDD adoption, championed TDD culture, onboarded 6+ engineers, established team documentation standards	
Senior Software Engineer	Mar 2022 – Aug 2022
<i>Cloudways</i>	<i>Karachi, Pakistan</i>
<ul style="list-style-type: none">Led POC for PHP framework 5.5 to 10.x upgrade using TDD methodologyIncreased code coverage from 0% to 30%+ in two quarters while delivering operational tasks	
Development Specialist & Product Lead	Jun 2018 – Feb 2022
<i>Qu Technologies</i>	<i>Remote, UK</i>
<ul style="list-style-type: none">Monitor.temp.cam: Real-time contactless COVID-19 temperature monitoring, processing 1M+ readings/month for Chelsea FC, NHS UK, Metroline UKWavePRO: Property CRM managing contacts, projects, units, offers, sales, and staffQuScan: Mobile/web platform for customer-business communication with real-time sentiment analysis	
Senior Software Engineer	Apr 2014 – May 2018
<i>Arête Applications</i>	<i>Karachi, Pakistan</i>
<ul style="list-style-type: none">SAMENA Council: Full website and backend services architectureKhilari PK: Sports platform featuring news, venues, events, and coach directory	

PROJECTS

Velocity Framework <i>Go, Driver Architecture</i>	Open Source
<ul style="list-style-type: none">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, ValidationCreated vel CLI (dev server, migrations, code gen) and velocity-installer for project scaffoldinggithub.com/velocitykode/velocity	
Laravel Locksmith <i>PHP, Laravel, AWS IAM</i>	Open Source
<ul style="list-style-type: none">Secrets rotation orchestration with zero-downtime dual-key grace periodsOrchestrated workflow: generate → validate → swap → cleanup with audit trailsBuilt-in AWS IAM key rotation recipe with correlation IDs for debugginggithub.com/brainlet-ali/laravel-locksmith	
QS Feedback Platform <i>Laravel 11, React Native, PostgreSQL</i>	2024
<ul style="list-style-type: none">Full-stack B2B SaaS with real-time chat (Pusher), offline sync, E2E testing with MaestroMulti-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 Pakistan

Bachelor of Computer Science

Lahore, Pakistan

2014