Ahsan Amin

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Lahore, Pakistan | Remote, any time zone | Open to relocation
Full-Stack Engineer | Java, Go, TypeScript, React, AWS

EXPERIENCE

Software Engineer Jun 2025 – Present
Beyond ONE *Lahore, Punjab*

- Developed features in Java/Spring Boot microservices for Virgin Connect Roam (VCR), including referral systems, promotional rewards, group bundle sharing, and Yuno payment orchestration
- Shipped the features behind VCR's 13-month growth: orders 7x (125 to 865), users 14x (13.8K to 191.6K), conversion 27.6% to 56.5%, revenue **$25K to $164K**
- Deployed VCR on AWS EKS; owned monitoring and alerting, migrating from Dynatrace to SigNoz, with FireHydrant for incident response
- Recognized as Rebel of the Quarter

Software Engineer Aug 2023 – Jul 2025
Careem (Uber) *Lahore, Punjab*

- Designed and shipped features across Go, Java, and PHP microservices, leading the legacy PHP to Go migration
- Led AWS Graviton migration through platform-level optimizations and migration RFCs, with estimated infrastructure cost savings of **$200K/month**
- Migrated Elastic Beanstalk workloads to AWS EKS org-wide, improving reliability and reducing incidents

Software Engineer Jun 2023 – Aug 2023
PakWheels *Lahore, Punjab*

- Built and enhanced full-stack features for PakWheels, Pakistan's leading car marketplace, in Ruby on Rails

SKILLS

- **Programming Languages:** Java, Go, Python, TypeScript, JavaScript, Ruby, SQL, C++
- **Frameworks:** Spring Boot, Ruby on Rails, React, Next.js, Node.js
- **Cloud/Infra:** AWS, Docker, Kubernetes, Terraform, Dynatrace, SigNoz, Grafana, FireHydrant, Kafka
- **Databases**: PostgreSQL, MySQL, MariaDB, MongoDB, Trino
- **AI/ML:** LLM APIs, agentic workflows, Claude Code, TensorFlow, PyTorch, Pandas, NumPy

PROJECTS

Virgin Connect Roam (VCR) | *Java, Spring Boot, EKS, MariaDB* Beyond ONE

- Built *Connect Your Crew*, letting users share a data bundle across multiple people, and consumption-based bundles with usage tracking and notifications as an alternative to fixed data bundles
- Integrated Yuno as the payment orchestration layer to route transactions across multiple payment providers

Admin Portal | *Next.js, TypeScript, AWS* Beyond ONE

- Built a unified Admin Portal solo, replacing three slow legacy Vue.js portals with one role-based workspace for support, product, ops and marketing teams
- Unified order, catalog and consumption data from backend services; pitched the rebuild to leadership

Crossroads | *Python, AWS, Grafana, GitHub, Jira* Careem

- Built a cross-service reliability scoring system aggregating metrics from GitHub webhooks, a data lake, AWS Lambda, Jira, and Grafana, computing per-service reliability ratings to improve visibility into platform health

Trino Query Caching | *Python, Trino, AWS S3, SQL* Careem

- Built a caching layer with invalidation for Careem's Trino platform, cutting S3 read/write costs by about **$30K/month**, validated through scripted query tests

Raft Consensus and DHT | *Go, Python* LUMS

- Implemented Raft consensus and a distributed hash table using consistent hashing

EDUCATION

Lahore University of Management Sciences (LUMS) Lahore, Punjab
BS in Computer Science — CGPA 3.5/4.0 *Sep 2019 – May 2023*

- Placed on Dean's Honour List in Spring 2020 semester
- **Relevant courses:** Deep Learning, Machine Learning, Advanced Programming, Algorithms, Software Engineering, Databases, Human Computer Interaction, Blockchain, Data Mining, Network Security