

Ali Zein Al Dine

Beirut, Lebanon
☎ +961 71-131-570
✉ alized559@gmail.com
🐙 Github in LinkedIn

Profile

Backend Team Lead and Software Engineer with 4+ years of professional experience designing and scaling cloud-native platforms. Specialized in distributed systems, serverless architectures, real-time communication systems, and multi-tenant SaaS applications. Experienced in leading engineering teams, architecting AWS infrastructure, building CI/CD platforms, and delivering high-performance products.

Key Achievements

Promoted from Software Engineering Intern to Backend Team Lead within 2 years

Architected and managed AWS production infrastructure supporting a large-scale social commerce platform

Architected real-time communication systems including chat, livestreaming, calling, and encrypted messaging

Built distributed ingestion and processing systems handling large-scale geospatial and conflict datasets

Work Experience

01/2024–present **Backend Team Lead, Pipp**, Beirut, Lebanon.

- Lead backend development and architecture for a large-scale social commerce platform combining e-commerce, short-form video, livestreaming, messaging, creator tools, and recommendation systems
- Architected and scaled real-time communication systems including chat, livestreaming, voice/video calling, and end-to-end encrypted messaging
- Built and scaled creator tools, feed generation systems, notification services, media processing pipelines, and recommendation infrastructure
- Architected AWS cloud infrastructure supporting hundreds of thousands of users across social commerce, messaging, and creator platforms
- Designed and implemented company-wide CI/CD pipelines and deployment workflows using GitHub Actions, AWS CDK, and Infrastructure as Code principles
- Led backend engineers through architecture reviews, system design decisions, code reviews, mentoring, and technical planning
- Drove performance optimization, reliability improvements, observability, and scalability initiatives across multiple production systems

05/2022–01/2024 **Full-Stack Software Engineer, Pipp**, Beirut, Lebanon.

- Developed core backend and frontend features for a large-scale social commerce platform
- Built video processing and streaming infrastructure using Mux and AWS services
- Implemented product reels, creator content workflows, media uploads, and recommendation-related systems
- Developed integrations with Shopify, WooCommerce, Magento, payment gateways, and third-party commerce services
- Designed scalable APIs and optimized database performance across PostgreSQL, Elasticsearch, and Redis-based services
- Built analytics, reporting, search, and operational tooling used across the organization

02/2022–present **Full-Stack Software Engineer, Freelance**, International.

- Delivered and deployed full-stack applications for international clients, including video platforms, tourism systems, and business management solutions.
- Worked closely with clients to define, develop, and deploy scalable, responsive solutions

- 02/2022– **Full-Stack Software Engineer Intern**, *Pipp*, Beirut, Lebanon.
05/2022
 - o Implemented a keyset pagination method in order to speed up fetching orders from the server.
 - o Built a new designed product web page and navigation bar.

Selected Projects

- 2025–Present **CivAPI**.
Geospatial data infrastructure platform for large-scale ingestion, processing, and API serving of conflict and mapping datasets.
 - o Designed distributed ingestion pipelines processing country-scale OpenStreetMap, humanitarian, conflict, and satellite datasets
 - o Built highly scalable DynamoDB single-table architecture optimized for geospatial and temporal querying
 - o Developed automated AWS Step Functions workflows processing millions of geospatial and conflict-event records across multiple countries
 - o Implemented large-scale data normalization, enrichment, and API delivery systems<https://civapi.com>
- 2025–Present **HelloTenants**.
Multi-tenant property management platform with web and mobile applications.
 - o Built multi-tenant property management platform supporting tenant, owner, and service provider workflows
 - o Built role-based access systems, address management modules, and service provider features
 - o Developed APIs in Node.js/TypeScript with PostgreSQL and DynamoDB
 - o Integrated real-time notifications and mobile app backend for React Native<https://hellotenants.ca>

Core Expertise

- Architecture Distributed Systems, System Design, Serverless Architecture, Multi-Tenant SaaS, Event-Driven Systems
- Backend TypeScript, Node.js, Python, Java, FastAPI, Flask, PostgreSQL, DynamoDB, Redis
- Cloud AWS Lambda, API Gateway, CloudFront, S3, RDS, DynamoDB, SQS, SNS, Step Functions, CDK
- DevOps CI/CD, GitHub Actions, AWS CDK, CloudFormation, Infrastructure as Code, Observability
- Realtime WebSockets, Chat Systems, Push Notifications, Livestreaming, Video Processing, E2EE Messaging

Education

- 09/2019– **B.Sc. in Computer Science**, *Lebanese International University*, Beirut, Lebanon.
06/2022 *GPA: 3.9/4.0*
Bachelor Thesis: Design and Development of an Online Fashion Marketplace

Languages

- Arabic Native
- English Full professional proficiency