

Arsen Akishev

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📌 Experience

Interlace Inc

Backend Software Engineer

May 2023 – Nov 2024

Remote

- Led backend architecture for a high-revenue social media app, driving \$30M in annual fees through scalable infrastructure design
- Engineered robust APIs using Node.js, S3, ECS, and Redis, enabling 99.9% uptime for core social media features including profiles, messaging, and content sharing
- Implemented and maintained cloud infrastructure using Pulumi, optimizing service performance across ECS, Postgres, Lambda, and SQS with 40% improved deployment efficiency

Golden Recursion

Backend Software Engineer

Aug 2022 – Apr 2023

Remote

- Supported the data engineering efforts of the company by developing features and improvements through GraphQL, JSON RPC and Airflow integrations.
- Drove strategic product innovation through comprehensive blockchain and data research, enabling the successful launch of new company product with 60% market validation
- Engineered high-performance backend services using Node.js, optimizing internal request processing time by 35% and reducing system complexity by 40%

Interlace Inc

Backend Software Engineer

Jun 2019 – Apr 2022

New York, NY

- Architected scalable REST APIs using AWS ECS and TypeScript, achieving 99.9% uptime and reducing latency by 40% through optimized DynamoDB, PostgreSQL, and Elasticsearch integration.
- Led 5+ critical 3rd party API integrations for payments, notifications, and event tracking, enhancing system interoperability and reducing manual processing by 65%.
- Collaborated with cross-functional teams to successfully deliver 2 ground-up social applications, scaling to 100K active users and demonstrating robust product development capabilities

Toyota

Software Developer (Consultant)

Nov 2018 – Apr 2019

Plano, TX

- Rewrote existing microservices in Go to improve data ingestion, resulting in latency reduction by 4 hours
- Created scalable backend APIs using MongoDB and Redis, enabling 99.9% data retrieval efficiency for vehicle information services and supporting 500+ concurrent downstream service requests

Hudson River Trading

Systems Engineering Intern

May 2018 – Aug 2018

New York, NY

- Implemented features in Go for monitoring tools such as Prometheus, Trickster and Grafana.
- Extended and maintained the internal data center management system built with Python.

Deutsche Bank

Summer Analyst/Developer

Jun 2017 – Aug 2017

New York, NY

- Modernized the exchange feed CI/CD pipeline, transitioning from Bash to Python, resulting in improved maintainability and 25% faster deployment processes

🎓 Education

New York University

Bachelor's Computer Science

2014 – 2018

New York, NY

⚙️ Skills

Programming Languages: Javascript, Typescript, Solidity, Python

Databases: PostgreSQL, DynamoDB, Redis, ElasticSearch

Infrastructure: AWS, Pulumi, Serverless Framework, Docker