

# ARSLAN AMETOV

Fairfield, Iowa 52556 • +1-641-819-2316 • [dev.ametov@gmail.com](mailto:dev.ametov@gmail.com) • [LinkedIn](#) • [GitHub](#) • [Website](#)

## SOFTWARE ENGINEER

Results-driven Software Engineer with 5 years of experience, specializing in Golang, distributed systems, Kubernetes, and CI/CD. Proven ability to design and optimize scalable backend architectures while also delivering user-friendly front-end solutions. Adept at cross-functional collaboration, working effectively in team environments, and communicating complex technical concepts clearly. Passionate about building efficient, high-performance systems and driving continuous improvements in software development processes.

**Languages:** Go, Java

**Web:** HTML, CSS3, JavaScript, Vue.js, React

**Web Services:** Restful APIs, JWT authentication, gRPC/Protobuf, OAuth, Network Load Balancers, Application Load Balancers, NAT, MTPROTO Mobile Protocol, Container orchestration, TCP/UDP application

**Web/App Servers:** Nginx, HAProxy

**Frameworks:** Fiber, Echo, Gin, Spring

**Databases:** PostgreSQL, MySQL, ClickHouse, Redis, MongoDB, DynamoDB, AWS RDS

**SDLC:** Agile, Scrum, DevOps

**Tools:** Docker, Kubernetes, Vim, GNU Make, Git, GitOps, Helm, GitHub Actions, Gitlab CI/CD

**Platforms:** Linux, MacOS, Unix

## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### 'BELET' subsidiary of 'Jan Technology', Ashgabat, Turkmenistan • 08/2021 – 07/2024

One of the biggest IT companies in Turkmenistan that owns Belet Film (a Netflix equivalent), Belet Video (like YouTube), and Start Messenger (a counterpart to Telegram).

#### Software Engineer (02/2022 – 07/2024)

- Contributed to the design and development of a Golang-based messaging platform serving over a million active users.
- Improved microservice performance by 25% by profiling with *Pyroscope* and *pprof*, identifying and bottlenecks.
- Automated CI/CD pipeline in self-managed GitLab, reducing manual work and improving efficiency.
- Created a testing library for MTPROTO RPC, improving testability and maintainability.
- Managed the generation of RPC definitions for MTPROTO over TCP, ensuring efficient and secure communication.
- Led a team of four developers to deliver a key feature that boosted company monetization, ensuring smooth collaboration and constructive feedback across teams.

#### DevOps Engineer (08/2021 – 02/2022)

- Deployed a highly available on-premise Kubernetes cluster, ensuring stable production use.
- Set up PostgreSQL master-slave replication, and PgBouncer for efficient connection pooling.
- Accelerated incident response by setting up Prometheus, Grafana, and Alertmanager for real-time monitoring.
- Streamlined an automated CI/CD pipeline for building, testing, and deployment which saved around 30 minutes per deployment and tons of manual work by developers.
- Integrated Fluentd with Elasticsearch, Kibana, enabling real-time log visualization and analytics for operational insights.
- Dockerized microservices with multi-stage builds and caching, reducing build time by 40%.

### 'Turkmen Portal', Ashgabat, Turkmenistan • 08/2019 – 08/2021

Technology company which provides IT services in Turkmenistan.

#### Full Stack Developer

- Implemented server-side rendering (SSR) in Nuxt.js to improve SEO and initial load times for dynamic content pages by 75% – [tngizt.gov.tm](https://tngizt.gov.tm).
- Configured Nginx caching (*proxy cache*, *min uses*, *max size*, *inactive*) to reduce disk I/O and improve efficiency.
- Constructed RESTful API for a web-based file storage application (similar to Dropbox), documented using OpenAPI.
- Optimized entity retrieval using the prefix algorithm, to ease multi-layer relations.

## PROJECTS

### [Godump](#) (02/2025 – 03/2025)

- Packet inspection in Golang, similar to tcpdump and Wireshark, for network traffic analysis.

### [GetBlock](#) (04/2024 – 05/2024)

- This program gets the latest N blocks in the ETH main network, returns the address which had maximum liquidity.

### [Owaz Music Platform](#) (06/2020 – 01/2021)

- Built a full-stack web application using Django serving a REST API, designed the front-end with Vue.js.
- Developed an audio player for a seamless playback experience.
- Improved server response time by 25% on average with Redis.

---

## ACADEMIC PROJECTS

### **Maharishi International University (2025)**

- **Home Automation API:** Developed a backend for IoT smart home automation, enabling device control, automation rules, and energy monitoring. Utilized Java, Spring Boot, JMS, PostgreSQL, and Spring Data.
- **Authentication App:** Designed and deployed a serverless authentication app on AWS with Lambda, API Gateway, DynamoDB, S3, and CloudFront. Built the backend with Node.js, implemented authentication via API Gateway, and automated deployments using CodePipeline. Hosted the ReactJS frontend on S3 with CloudFront.

---

## EDUCATION

### **Master of Science in Computer Science**

*(In progress via distance education; expected completion 04/2027)*

Maharishi International University, Fairfield, Iowa

*Key Courses: Enterprise Applications, Web Application Architecture, Data Structures and Algorithms, Cloud Computing*

### **Bachelor of Science in Information Systems and Technologies**

Engineering and Technology university of Turkmenistan, Ashgabat, Turkmenistan (06/2021)

---

## CERTIFICATIONS

[AWS Certified Solutions Architect – Associate](#) (02/2025)

[Yandex backend development school in Golang](#) (08/2023)