

Amil Abdullazada

Software Developer

amil.abdullazada@gmail.com

<https://www.linkedin.com/in/aar-amil/>

+994 50 774 65 85

Strategic and impact-driven Software Engineer with strong expertise in Java, Spring Boot, and distributed systems. Skilled in building scalable microservices, aligning technical solutions with product goals, and delivering clean, testable code in agile environments.

Work Experience

Co-Founder & Chief Technology Officer (CTO)

Dec 2024 - Present

DeepSense | Baku, Azerbaijan

- Orchestrated the company's end-to-end technology strategy, ensuring alignment with innovation goals across software, infrastructure, and emerging technologies.
- Designed and implemented scalable system architectures to support diverse product lines with robust performance.
- Integrated cutting-edge technologies into real-world business solutions to maintain a competitive edge in fast-evolving markets.
- Led cross-functional teams through high-impact project lifecycles — from ideation to successful deployment.
- Developed comprehensive development frameworks that streamlined workflows and raised product quality standards.

Software Developer

Jan 2025 - Jun 2025

SaiKet Systems | Remote

- Built scalable backend services (Java/Spring Boot) with 99.9% uptime
- Maintained 95%+ test coverage through rigorous code reviews
- Integrated 3+ third-party systems and frontend applications
- Improved database performance (PostgreSQL/MySQL) for large datasets
- Automated deployments using Docker/Kubernetes in CI/CD pipelines
- Maintained 95%+ test coverage through rigorous code reviews

Back-End Mentor

Oct 2024 - Mar 2025

Turing Academy | Baku, Azerbaijan

- Mentored students from beginner to advanced level in Java and Spring Boot, covering core concepts, OOP, REST APIs, and microservices.
- Delivered structured lessons on backend fundamentals, including Spring Security, Redis, and PostgreSQL integration.

- Guided hands-on projects and code reviews, emphasizing clean code, SOLID principles, and real-world backend development practices.

Event Organizer

Jul 2024 - Sep 2024

State Agency for Public Service and Social Innovations under the President of Azerbaijan | Baku, Azerbaijan

- Organized and coordinated large-scale tech events and hackathons, including "ITi Zaka-2", bringing together developers, designers, and innovators.
- Managed end-to-end logistics, sponsorship outreach, and team coordination to ensure seamless execution and high engagement.
- Designed technical problem statements, evaluated project submissions, and contributed to fostering a productive, challenge-driven environment.

Projects

UniTech Banking App

Nov 2024 - Jan 2025

A full-featured digital banking platform built with Java and Spring Boot, designed to simulate real-world banking operations with a strong focus on performance, scalability and clean architecture.

- Backend Architecture: Developed a modular and scalable backend using Spring Boot, applying Domain-Driven Design (DDD) and SOLID principles.
- Microservices & Infrastructure: Integrated tools like Liquibase for version-controlled migrations, Redis for caching, and Docker for containerization.
- Security & Auth: Implemented secure authentication and authorization mechanisms using JWT and Spring Security, ensuring role-based access control.
- Database & CI/CD: Designed and optimized relational data models with PostgreSQL and set up Git-based CI/CD pipelines for automated deployments.
- Business Logic: Simulated real-life features like account management, transfers, transaction history, and user verification with clear separation of concerns and exception handling.

Turing LMS

Feb 2025 - Present

Developed a real-time notification microservice for a microservices-based Learning Management System (LMS), delivering personalized Telegram messages to students based on relevant academic events.

- Designed and implemented the entire backend service using Java, Spring Boot, and Spring Web, focusing on clean architecture and modular design.
- Integrated Telegram Bot API to send automated, event-triggered notifications (e.g., class schedule changes, exam result announcements) to targeted students.
- Leveraged RabbitMQ for asynchronous message passing between core services and the notification service, ensuring non-blocking and scalable communication.

- Applied JWT-based authentication and access control mechanisms to secure event data and ensure message delivery only to authorized recipients.
- Ensured reliability and performance through Docker containerization and Git-based CI/CD pipelines for smooth deployment and updates.

Core Skills

Technical Skills: Java (Core, OOP, Stream API, Collections), Spring Boot, Spring MVC, Spring Security, Spring Data JPA, RESTful API Development & Integration, Microservices Architecture & Spring Cloud, PostgreSQL, Redis, MySQL, JWT Authentication & Role-Based Access Control, Docker & Containerization, Git, GitHub, CI/CD Pipelines, Unit & Integration Testing (JUnit, Mockito), Clean Architecture, SOLID Principles, TDD, Agile & Scrum Methodologies, Problem Solving & Algorithmic Thinking, Object-Oriented Design & System Design Fundamentals

Soft Skills: Critical Thinking, Team Leadership, Team Coordination, Team Management, Leadership, Project Management

Education

Azerbaijan State University of Economics (UNEC)

Sep 2023 - Present

Bachelor's degree Computer Science

Courses: Object-Oriented Programming, Data Structures & Algorithms, Database Systems, Operating Systems, Web Development, Software Engineering

GPA: 94.47

Turing Academy

Jun 2024 - Oct 2024

Professional Certificate Software Development Courses:

- Core Java & OOP: Strong command of Java fundamentals, OOP principles and SOLID design practices
- Spring Framework: Developed backend applications using Spring Boot, MVC, Data JPA and Security.
- Microservices: Built RESTful microservices with Feign, RestTemplate and centralized configs via Spring Cloud.
- Databases: Applied PostgreSQL for relational data and Redis for caching, ensuring performance and integrity.
- Security: Integrated JWT-based authentication and role-based authorization using Spring Security.
- Testing & Code Quality: Wrote unit/integration tests with JUnit & Mockito, applying Clean Architecture and TDD.
- Collaboration: Practiced Agile (Scrum, Kanban) with Git and GitHub in team-based development environments.

GPA: 98

SkillWill Neo University

Oct 2023 - Jul 2024

Professional Certificate Full-Stack Web Development Courses:

- Frontend Development: Learned responsive UI design using HTML, CSS, JavaScript, and Bootstrap.
- Backend with PHP: Built dynamic web applications using core PHP and MySQL integration.
- WordPress Development: Customized themes and plugins, managed content, and deployed full websites.

GPA: 93.5

Languages

Azerbaijan (native), Turkish (upper-intermediate), English (intermediate)

Awards

Robotex Turkey 1st place

May 2025

Robotex International

Designed and programmed an autonomous robot to navigate mazes using real-time mapping and pathfinding algorithms. Implemented A* algorithm for efficient and optimal route planning.

Developed embedded systems solutions using C++ and Python for sensor integration and movement control. Led team coordination and debugging efforts to ensure accurate and reliable maze completion.

"Eduhack 2025" hackathon competition 1st place

Apr 2025

BEU, AzGF, ATGTI, TAU

Developed AutoSense, an AI-powered educational platform designed for children with autism, their parents, and educators. Built personalized learning modules with gamified lessons and interactive content tailored to individual needs. Integrated real-time analytics and AI support to provide feedback and behavior insights for parents and teachers. Achieved 1st place at EduHack 2025 for innovation, impact, and strong teamwork within an 8-hour hackathon sprint.

Robotex Azerbaijan 1st place

Apr 2025

Robotex Azerbaijan

- Designed and programmed an autonomous robot to navigate mazes using real-time mapping and pathfinding algorithms.
- Implemented A* (A-star) algorithm for efficient and optimal route planning within unknown environments.

- Developed embedded systems solutions using C++ and Python for sensor integration and movement control. Led team coordination and system debugging efforts to ensure robust and accurate maze completion.

Certificates

Full Stack Web Development Certificates

Jul 2024

SkillWill Neo University