

# DA MANUKYAN

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## SUMMARY

Software Engineer with 5+ years of experience building scalable backend systems, automation platforms, and enterprise-grade solutions. Proven track record delivering production systems for Fortune 500 clients including Mercedes-Benz, Airbus, IBM, and Hyundai. Deep expertise in Java/Spring Boot microservices, distributed systems, and full-stack development. Passionate about system design, performance optimization, and AI-driven engineering.

## EXPERIENCE

### Software Engineer / IT Consultant

Civilis GmbH, Berlin, Germany

Jan 2024 – Present

- Architected and deployed automated document conversion pipeline for Deutsche Leasing, processing 10,000+ .doc/.docx files monthly with 99.8% success rate, reducing manual processing time by 85%.
- Designed HRworks-SeaTable synchronization engine handling 50+ data domains, achieving near real-time HR data unification across distributed systems with conflict resolution and full audit logging.
- Built Bundesland Automation Dashboard to monitor legislative updates and scrape online-service metrics across all 16 German federal states, enabling proactive compliance tracking for enterprise clients.
- Developed internal Coworker Profile Generator (Spring Boot + React) to dynamically generate professional employee profiles and export to Word/PDF, streamlining client onboarding by 60%.

### Backend Engineer & Technical Support

Aug 2023 – Dec 2024

Hystax Inc., Yerevan, Armenia (Remote)

- Deployed and supported live cloud migration infrastructure for Airbus, Hyundai, Virtuozzo, and Fortinet, enabling zero-downtime workload migrations across hybrid cloud environments.
- Provided L2/L3 technical support for OptScale FinOps platform, serving enterprise clients including IBM and Mercedes-Benz, reducing average resolution time by 40%.
- Authored technical documentation and runbooks for cloud migration workflows, improving onboarding efficiency for new support engineers.

### Software Engineer

Nov 2022 – Jun 2023

IUNETWORKS LLC, Yerevan, Armenia

- Engineered E-Gov and E-Tax backend systems deployed across 3 government clients (Kosovo, Zimbabwe, FSM), serving millions of citizens with secure tax filing and digital governance workflows.
- Built scalable RESTful microservices using Java, Spring Boot, and Hibernate with PostgreSQL, handling high-throughput transaction processing.
- Implemented secure authentication and authorization layers using OAuth2 and role-based access control for sensitive government data.

### Software Engineer

Nov 2019 – Sep 2022

ITSpaceLAB, Gyumri, Armenia

- Designed and built beauty salon booking platform using Spring Boot microservices, OAuth2, and RabbitMQ for async messaging, supporting 5,000+ daily reservations.
- Optimized PostgreSQL query performance and implemented caching strategies, reducing API response times by 70% and achieving 99.9% uptime.
- Developed RESTful APIs consumed by mobile and web clients, implementing pagination, filtering, and rate limiting for high availability.

## SELECTED PROJECTS

- HyperFit AI-Powered E-Commerce Platform:** Built intelligent fitness e-commerce system with ML-driven product recommendations, personalized supplement suggestions based on user workout patterns, and predictive inventory optimization. Implemented NLP-based search with semantic matching for 500+ products across gear, supplements, and digital content.
- AI News Analysis Platform:** NLP-driven system using Python to extract, classify, and summarize news articles at scale with entity recognition and sentiment analysis.

- **Government GPT Model:** Fine-tuned GPT-based AI system for education and government use cases in Armenia, enabling intelligent document Q&A and knowledge retrieval.
- **Data Synchronization Tool:** Robust multi-source sync engine across APIs, databases, and file systems with conflict resolution, retry logic, and audit trails.

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript, TypeScript, SQL, Kotlin

**Backend & Frameworks:** Spring Boot, Spring MVC, Hibernate, REST APIs, Microservices, RabbitMQ, OAuth2

**Frontend:** React, JavaScript, HTML/CSS

**Databases:** PostgreSQL, MySQL, Redis

**DevOps & Tools:** Docker, Git, Maven, Liquibase, CI/CD, Linux, Cloud Migration

**AI/ML:** NLP, GPT Fine-tuning, Machine Learning (DeepLearning.AI/Stanford specialization)

## EDUCATION

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**Bachelor of Science in Computer Science**

Yerevan, Armenia

*American University of Armenia*

## CERTIFICATIONS

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- Machine Learning Specialization – DeepLearning.AI & Stanford University
- Introduction to Software Engineering – IBM
- Technical Support Fundamentals – Google

## LANGUAGES

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Armenian (Native) • English (Advanced) • German (Intermediate) • Russian (Advanced)