



ARTUR HARUTYUNYAN

Engineering Leader | CTO | AI Systems

PERSONAL PROFILE

Experienced Tech Lead & Engineering Leader with 11+ years in software development, specializing in AI, fintech, and scalable architectures. Proven ability to lead cross-functional teams, architect scalable systems, and integrate AI-driven solutions. Passionate about leveraging automation, AI, and cloud technologies to drive innovation and optimize engineering processes.

I enjoy creating tools that simplify life. My goal is to develop software applications that automate and streamline business processes, enhance online business presence, and more.

I actively utilize AI tools to improve my effectiveness

CONTACT

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EDUCATION

- 2024 - 2028**
PHD IN COMPUTER SIENCE
- 2022 - 2024**
MASTER'S DEGREE IN COMPUTER ENGINEERING
- 2016 - 2020**
BACHELOR'S DEGREE IN COMPUTER ENGINEERING

LANGUAGES

- English (Advance)
- Russian (Advance)
- Armenian (Fluent)

PERSONAL SKILLS

- Engineering Leadership & Technical Ownership
- Strategic Thinking & System Design
- AI-Driven Automation Mindset
- Decision-Making Under Uncertainty
- Cross-Functional Communication (Engineering, Product, Business)
- Problem Solving in Complex, Distributed Systems
- Productivity Optimization Using AI Tools
- Clear Technical Communication with Non-Technical Stakeholders

WORK EXPERIENCE

AI AUTOMATION ARCHITECT / TECH LEAD | 06/2025 - NOW **SoftConstruct**

Leading AI-driven automation initiatives for enterprise, high-load systems, focusing on scalable architecture, reliability, and operational efficiency across business-critical platforms.

- Leading AI automation initiatives across enterprise business units
- Designing and implementing AI agents and workflow automation systems
- Working with large-scale enterprise and regulated environments

STAFF ENGINEER | 06/2024 - 06/2025 **DataRails**

DataRails is a Financial Planning & Analysis (FP&A) platform enabling finance teams to automate reporting, consolidate data from spreadsheets and enterprise systems, and generate real-time business insights while preserving Excel-centric workflows.

- Influenced backend architecture and system design decisions across multiple services
- Designed and evolved scalable backend systems using Django and FastAPI in a microservice architecture
- Made architectural tradeoffs around performance, data consistency, and long-term maintainability
- Improved deployment reliability and developer velocity through CI/CD automation

LEAD SOFTWARE ENGINEER | 08/2022 - 06/2024 **Zorion LLC**

Zorion is a fintech platform focused on long-term investments, providing access to pre-IPO secondary stocks and large investment funds starting from \$10.

- Drove end-to-end technical direction for the backend platform, influencing architecture across multiple services
- Designed and evolved a scalable, multi-service backend architecture using Hasura and FastAPI
- Made system-level tradeoffs around scalability, performance, and developer velocity
- Built and stabilized CI/CD pipelines, enabling predictable, low-risk deployments in production
- Worked closely with product and business stakeholders to translate complex fintech requirements into durable technical solutions
- Acted as a technical reference point for backend and architectural decisions

SKILLS

- End-to-End Backend Architecture Design
- Multi-Service & Distributed Systems
- Service Boundaries & Architectural Tradeoffs
- Scalability, Performance & Reliability Engineering
- Python (Advanced)
- Django, FastAPI, Flask
- RESTful & GraphQL API Design
- JavaScript (platform & API integration)
- React.js (integration-level experience)
- PostgreSQL, MySQL, CockroachDB
- Redis, MongoDB
- Google NDB (Google Cloud Datastore / Firestore in Datastore mode)
- Financial & Analytical Data Modeling
- AI-Driven Workflow Automation
- LLM Integration & AI Agent Design
- AI System Orchestration (tools, services, workflows)
- Production AI Integration (APIs, services, reliability)
- CI/CD Strategy & Automation
- Docker

CTO AND CO-FOUNDER | 04/2019 - 08/2022

Neen Solutions LLC

As the CTO and co-founder of Neen Solution, I spearheaded the development and implementation of cutting-edge solutions, blending technical expertise with strategic vision. I was instrumental in shaping the company's engineering practices, fostering strong partnerships, and building a talented and cohesive team.

- Led the engineering and design of innovative solutions, ensuring high-quality outcomes.
- Managed partner relationships and oversaw the hiring and growth of a skilled development team.

HEAD OF IT DEPARTMENT | 09/2018 - 09/2020

Armenia Travel + M LLC

I advanced to the role of Head of the Software Development Department. In this position, I continued to write code and took on leadership responsibilities, managing a team of approximately 10 engineers.

- Team Leadership: Managed and mentored a team of 10 engineers, driving the development of key projects and ensuring the team adhered to best practices.
- Project Management: Oversaw the entire software development lifecycle for multiple projects, from initial planning to deployment, ensuring timely and successful delivery.
- Technical Guidance: Provided technical direction and support to the team, helping them navigate complex challenges and achieve project goals.

SENIOR SOFTWARE ENGINEER | 11/2016 - 09/2018

Armenia Travel + M LLC

I was promoted to Senior Engineer, where I continued to contribute to the ERP/CRM system while taking on additional responsibilities. I expanded my expertise to include new projects and technologies, leading to the development of ticket management systems for charter flights and festivals, and the creation of the company's website.

- Ticket Management Systems: Led the development of systems for managing tickets for charter flights and festivals, enhancing the company's service offerings.
- Technology Adoption: Introduced and implemented new technologies, including React.js, Python, and Django, to modernize the company's tech stack.
- Web Development: Played a key role in developing and launching the company's website, ensuring it met branding and usability standards.

SOFTWARE ENGINEER | 08/2014 - 11/2016

Armenia Travel + M LLC

I began my journey at Armenia Travel as a Web Developer, where I played a crucial role in developing an ERP/CRM system tailored for the tour agency. My work focused on full-stack development, utilizing PHP and jQuery, and involved close collaboration with various departments to gather feedback and refine the system.

- Full-Stack Development: Developed and maintained the ERP/CRM system, ensuring it met the operational needs of the tour agency.
- Department Collaboration: Worked closely with different departments to gather user feedback, ensuring the system was user-friendly and aligned with business goals.
- Frontend and Backend Development: Utilized PHP for backend development and jQuery for creating dynamic and interactive frontend features.