



Luka Dodelia

CTO · Software Architect · Mobile Developer · Web Developer · Hardware Developer

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Summary

Technical leader with 15+ years of experience spanning enterprise solutions, startups, and academic research. Pioneered multiple successful software products from concept to scale, serving thousands of daily users across mobile, web, and IoT platforms. Architected resilient microservice systems processing real-time data at scale. Published contributor to high-complexity topology research, with work executed on supercomputing infrastructure. Demonstrated success in building and leading high-performing engineering teams while maintaining hands-on technical expertise across diverse technology stacks.

Honors & Achievements

High Complex Topology Research Project

Tbilisi State University

Research Contributor

2013

- Selected from undergraduate students to contribute to advanced topology research
- Co-authored theorem proof executed on German supercomputing infrastructure

Apple App Store

Mobile Applications Showcase

Featured Developer

2019

- Mobile applications featured for exceptional design and user experience
- Recognized for creating accessible interfaces for diverse user demographics

IoT Solutions Showcase

Tbilisi Tech Summit

Technical Innovation Award

2018

- Recognized for pioneering UDP protocol optimized for low-power IoT devices
- Solution demonstrated exceptional performance handling 100,000+ packets per millisecond

Work Experience

Connected Financial Solutions UK Limited

London, UK

Lead Engineer

2022 - Present

- Architected and built a comprehensive financial system from the ground up for US and UK banking clients
- Designed and implemented secure loan management solutions for land, equipment, and term loans
- Led full product lifecycle from prototyping to deployment, resulting in 40% reduction in loan processing time
- Implemented CI/CD pipelines that reduced deployment time by 65% and improved system reliability

LumaLogistics, Ltd.

PA, USA

CTO

2020 - 2022

- Co-founded and led technology strategy for a logistics platform that revolutionized the trucker and dispatcher experience across the USA
- Developed paperless logistics system that reduced cargo mismanagement by 23% and decreased administrative costs by 18%
- Created salary calculation tool that empowered truckers to optimize routes, resulting in \$1,000-\$5,000 USD annual income increases
- Mentored 20+ dispatchers and logistics managers, implementing data-driven route optimization that improved delivery efficiency by 31%
- Designed scalable microservices architecture capable of handling traffic growth from 50 to 50M users while maintaining sub-100ms response times
- Spearheaded development of ReactNative mobile app praised as a "breath of fresh air" by users, achieving 4.7/5 rating across app stores
- Launched cross-platform mobile application used by 5,000+ truckers and dispatchers: [iOS](#) , [Android](#)

NovuGens

Washington DC, USA

CTO

2018 - 2021

- Designed and built enterprise web portal for pension management serving organizations with 10,000-200,000 retirees
- Implemented comprehensive analytics dashboard that helped clients optimize pension fund management and reduce administrative costs by 27%
- Architected scalable microservices infrastructure with Docker swarm orchestration, enabling seamless growth from 50 to 50M users
- Created UX-focused mobile app for retirees with 97% user satisfaction rate, successfully passing usability testing with 3,000+ seniors
- Implemented security protocols exceeding GDPR requirements for handling sensitive financial and personal data
- Published app used by 30,000+ retirees, available at [iOS](#) and [NovuGens Website](#)

AlienGreen LTD

Tbilisi, Georgia

Software Engineer & Protocol Engineer

2017 - 2019

- Co-founded IoT venture that grew from concept to market-leading smart home solution in the Georgian market
- Developed full-stack solution including web app, e-commerce platform, and mobile application serving 1,000+ local users
- Engineered proprietary UDP protocol for IoT device communication processing 100,000+ packets per millisecond with 99.99% reliability
- Built scalable infrastructure utilizing PostgreSQL and MySQL that seamlessly expanded from 5 test devices to thousands of production units
- Implemented over-the-air update system that reduced maintenance costs by 42% and improved device lifespan by 3+ years
- Created mobile apps with 4.8/5 rating across platforms, available at [iOS](#), [Android](#), and [AlienGreen](#)

PickTek

Tbilisi, Georgia

Lead Engineer

2009 - 2022

- Progressed from high school intern to Lead Engineer, delivering 58+ successful projects for international and local clients
- Developed enterprise solutions for prestigious organizations including World Bank, World Food Program, major financial institutions, and telecom providers
- Mastered diverse technology stack including Java, Node.js, C/C++, Swift, PostgreSQL, Docker, IoT protocols, and biometric systems
- Directed 100+ product designs, technology selections, and deployment strategies from conception to production
- Mentored 10+ junior engineers and students, with 80% advancing to senior engineering roles within 3 years
- Led successful modernization of 30+ legacy systems, reducing maintenance costs by 35% while improving performance by 40-60%
- Pioneered microservices architecture adoption, resulting in 5x improvement in scalability and 70% reduction in deployment time
- Managed an 8-person engineering team that built and maintained mission-critical applications serving 100,000+ international users

Education

Ivane Javakhishvili Tbilisi State University

Tbilisi, Georgia

B.S. in Computer Science and Engineering

2011 - 2016

- Specialized in Advanced Algorithms, Distributed Systems, and Complex Network Topologies
- Selected for university research program on High Complex Topology objects in second year
- Contributed to theorem proof executed on German supercomputing infrastructure
- Balanced academic excellence while working professionally in the software industry