

Luka Dodelia

Technical Leader & Software Architect

+14842194454 | lukadodelia@gmail.com | lukasa1993 | luka-dodelia

Summary

Technical leader with 15+ years of experience in enterprise solutions, startups, and academic research. Led development of scalable products serving 10,000+ daily users across mobile, web, and IoT platforms, reducing operational costs by up to 30% through microservices and CI/CD implementations. Published contributor to high-complexity topology research executed on supercomputing infrastructure. Excelled in building and mentoring cross-functional teams of 5-15 engineers, fostering collaboration in diverse, international environments to deliver mission-critical applications on time and under budget.

Technical Skills

Programming Languages	TypeScript, JavaScript, Objective-c, Swift, C, PHP, Python
Frameworks & Libraries	React, React Native, React-router, Bun, Hono, Express
Databases & Tools	PostgreSQL, MySQL, MongoDB, Docker, Kubernetes, CI/CD
Platforms & Cloud	AWS,GCP,Azure, Microservices Architecture, Serverless, RESTful APIs
Methodologies & Best Practices	Data-Driven Optimization, Performance Tuning, Code Review & Mentoring
Other Expertise	Full-Stack Development, Cross-Platform Mobile Apps, System Architecture

Work Experience

Connected Financial Solutions UK Limited

London, UK

Lead Engineer

2022 - 2025

- 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
- Python Optimized AI Workflow

LumaLogistics Platform

Pennsylvania, USA

Lead Engineer

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](#) ,

PickTek

Tbilisi, Georgia

Lead Engineer (Progressed from Intern)

2009 - 2020

- 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

Key Projects Under PickTek

NovuGens Pension Management

Washington DC, USA

Lead Engineer

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 [NovuGens Website](#)

AlienGreen IoT Smart Home

Tbilisi, Georgia

Lead 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](#) , [AlienGreen](#)

WFP

Rome, Italy

Senior Engineer

2013 - 2017

- Worked on vast projects under wfp, including wfp.org and internal analytics
- Was jumping on projects that needed most help sometimes daily switching to new ones as needed
- Worked with PHP, Drupal, Javascript, handled servers and deployments manually

Local Bank

Tbilisi, Georgia

Junior Engineer

2010 - 2013

- Wrote mobile app for local bank for its many services
- App had to consolidate banks services which included everything from shopping to insurance to events

Honors & Achievements

High Complex Topology Research Project

Tbilisi State University

Research Contributor

2013-2015

- Selected as top undergraduate to contribute to advanced topology research, co-authoring a theorem proof on German supercomputers.

Apple App Store Showcase

Featured Developer

2019

- Apps recognized for exceptional design and accessibility, serving diverse users including seniors.

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; maintained strong GPA while working full-time.
- Contributed to university research on high-complex topology, executing proofs on supercomputing infrastructure.
- Balanced academics with professional software development experience.
- Got 99 in Quantum computing class, no one could get 100 because nothing is certain in quantum mechanics.