



# Lasha Kvantaliani

CTO & Technical Leader

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## SUMMARY

Technical leader and hands-on architect with 10+ years of experience leading frontend teams and shipping AI-powered web and mobile products at scale. Currently building Sweenk's AI news platform using LangGraph multi-agent systems, React/Next.js, and Flutter. Proven track record leading frontend organizations at Fortune 500 companies (Discover, Anthem) and startups, with deep expertise in modern frontend architecture, design systems, performance optimization, and AI integration. Passionate about engineering productivity, developer experience, and mentoring high-performing teams.

## SKILLS

### LEADERSHIP

- Technical Strategy & Roadmaps
- Team Leadership & Mentorship
- Cross-functional Collaboration
- Code Review & Quality Standards
- Agile / Scrum
- Stakeholder Management
- Contractor & Vendor Management
- Process Improvement

### AI & INTELLIGENT SYSTEMS

- LangChain / LangGraph
- AI Agent Orchestration
- Claude API & Agent SDK
- Prompt Engineering
- Google Vertex AI
- OpenAI API
- RAG Pipelines
- MCP (Model Context Protocol)

### FRONTEND & MOBILE

- React
- Next.js
- TypeScript
- Flutter (Dart)
- Design Systems
- Performance Optimization
- Accessibility (WCAG)
- Responsive Design

BACKEND & INFRASTRUCTURE

Node.js Python / FastAPI GraphQL / REST APIs PostgreSQL Redis Docker

CI/CD Pipelines Firebase

TESTING & QUALITY

Jest Playwright TDD / BDD Code Standards & Linting

EXPERIENCE

CTO

Feb 2025 – Present

Sweenk

Architected and launched Sweenk, an AI-powered personalized news SaaS platform, designing a multi-agent system using LangGraph with supervisor orchestration, conversational AI flows, and RAG-based news Q&A chains.

Built the full-stack architecture end-to-end: Python/FastAPI backend with LangChain agent pipelines, Flutter mobile app with Riverpod state management, and a Next.js admin portal for platform operations.

Engineered AI personalization engine integrating Google Vertex AI, OpenAI, and pgvector for semantic news matching, with MCP tool integration for real-time news retrieval and trending topic discovery.

Owned technical strategy and product roadmap, mentoring contributors, reviewing code from external contractors, and coordinating cross-functional delivery across mobile, backend, and AI teams.

Principal Application Developer / Tech Lead

Mar 2022 – Feb 2025

Discover Financial Services

Led frontend architecture and development of Student Loans and Deposits web applications serving millions of users, using React and Next.js with a focus on performance optimization and accessibility compliance.

Managed and mentored a team of frontend developers through code reviews, pair programming, and establishing coding standards adopted across the broader frontend organization.

Drove adoption of a unified design system across frontend teams, aligning UI/UX with modern standards and improving brand consistency across product lines.

Championed code health initiatives, developing and enforcing organizational coding standards, ESLint configurations, and automated quality gates.

Implemented and refined CI/CD pipelines, reducing deployment cycle time and increasing team delivery velocity.

Collaborated with backend engineers and designers to optimize end-to-end user experience, integrating open-source tooling to accelerate development workflows.

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Senior React Native Developer / Team Lead — Mobile

Aug 2021 – Mar 2022

**KWX of Keller Williams**

Led a team of 10 engineers to build 2 mobile applications from scratch, connecting up to 1 million homeowners with vendors and service providers.

Improved agile workflow, implemented code standards, CI/CD pipelines, and end-to-end testing for quality improvement.

Reviewed code from internal and external contributors, establishing review processes that reduced production defects.

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Senior React Native Developer / Team Lead — Mobile

Jan 2021 – Aug 2021

**Discover Financial Services**

Led a team of 7 engineers to develop innovative new features for Discover Mobile applications with 600k global users.

Developed organizational code standards for 300+ developers, consolidated code review processes, and implemented ESLint rules to improve code quality.

Designed a shared component framework library to improve UI consistency and standardize screen visuals across the mobile platform.

Partnered with the product owner to align product roadmaps with strengths and opportunities within the technical stack.

Integrated TDD and BDD best practices based on Appium and Jest to increase team productivity.

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Senior React Native Developer

May 2020 – Dec 2020

**Anthem**

Designed, developed, and implemented new applications, UI components, and screen designs for different Anthem brands.

Implemented new flows and functionality for the Blue Cross Blue Medicaid application, including ChatBot and Live Chat, used by 9.1M Medicaid subscribers.

Improved and refactored components with React Native, increasing maintainability and reusability across 5 apps.

Built a web portal inside a mobile app with SSO to increase accessibility to web-only flows.

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## Senior React Native Developer

2019 – 2020

### Fluz

Developed the frontend and a design system for a social networking cashback app aligned with brand and UI/UX principles.

Built profile pages, payment functionality, authentication/validation flows, and an interactive earnings calculator.

Created test plans and implemented unit testing using Jasmine and Karma to expand code coverage.

Implemented Sketch design system, Zeplin, and StoryBook to align UI/UX and engineering teams.

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## CTO / Founder / Full Stack Developer

2017 – 2019

### **Oxyn.io**

Developed the world's first crypto certificate standard by combining cryptographic algorithms that reduced NFC costs.

Built scalable blockchain with IoT ecosystems to make product packages reusable and reduce plastic pollution.

Deployed a Hyperledger Fabric ecosystem on IBM Cloud and created GraphQL API to connect apps to the blockchain core.

Created and deployed smart contracts to track packages as assets and set rewards to incentivize end-user returns.

Developed a mobile app that scanned NFC chips attached to product packages and managed customer profiles.

Created a web portal to add new product packages to the blockchain system, track flows, and retrieve metrics.

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CTO / Founder / Full Stack Developer

2016 – 2018

### **Trepex**

Managed a team of 5 developers to build Trepex, a Forbes Social Reward-winning tree planting platform connecting businesses, 10,000 end-users, and rangers to plant and track 30,000 trees.

Designed and deployed a React Native application for tree planting rangers to track photos, geolocation, save data offline, and sync to the database.

Built a ReactJS website to check tree locations, order new trees, and see CO2 eliminated by planting.

Designed and implemented a REST API to enable transactions through remote banking to trigger tree planting.

Oversaw CI/CD pipeline, ensured code quality with end-to-end test systems, and facilitated knowledge transfer.

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CEO / Founder / Lead Frontend Developer

2010 – 2014

### **Helix Group**

Led the design, development, and deployment of innovative banking solutions while overseeing product management.

Developed a modern Remote Banking system for BasisBank, a live chat integrated with CRM for TBC, and 10 online platforms for retail, business, and investment banking for the Bank of Georgia.

Designed and developed platforms for the government of Georgia.

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Remote Banking Product Development Manager — Retail Banking

2006 – 2010

### **Bank of Georgia**

Analyzed existing online banking products and proposed new software solutions including online and mobile banking, smart ATM systems, and call center technologies.

Oversaw all aspects of product development from gathering business requirements to launch and maintenance.

Developed and expanded a utility bill payment system and automatic payment solutions for all 1MM banking customers.

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Head of Remote Service

Feb 2006 – Oct 2006

**Bank Republic Societe Generale Group**

Launched and managed an innovative call center with 300+ operators, defined standards, and expanded banking applications with new features including online and mobile banking and secure authentication.

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UX Designer & Web Administrator — Marketing and PR

2004 – 2006

**Bank Republic Societe Generale Group**

Prepared advertising materials for marketing campaigns, validating video, print, and digital media deliverables.

Optimized retail, business, and investment banking websites with UI/UX-based A/B testing and Google Analytics.

**EDUCATION**

**Mathematics for Machine Learning and Data Science Specialization**

DeepLearning.AI — Coursera

Linear Algebra for ML, Calculus for ML, Probability & Statistics for Data Science

**Bachelor of Science in Economic Cybernetics**

Tbilisi State University

**Entrepreneurship & Innovation Accelerator**

Tel Aviv University — Lahav Executive Education

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