



STOYAN DIMITROV

Staff AI Engineer & Founder | Distributed Systems | Web Intelligence

USA (Remote) | [linkedin.com/in/stoyand](https://www.linkedin.com/in/stoyand) | github.com/StoyanD

EXECUTIVE SUMMARY

Founder and Staff Engineer with 14+ years of experience engineering high-value distributed systems across Agentic Orchestration, Mobile, and Blockchain. Expert in bridging the gap between cutting-edge LLMs (Gemini, Vertex AI) and scalable consumer products. Most recently founded PureThread, a high-performance cognitive AI companion. Proven track record of building complex multi-platform ecosystems securing \$600M+ in TVL and scaling mobile platforms to 2M+ MAU. Passionate about solving hard interoperability problems while driving rigorous engineering culture, system resilience, and operational excellence.

CORE COMPETENCIES

AI Engineering	Agentic Orchestration (LangChain/LangGraph), LLM Fine-Tuning, Multi-Stage Inference Pipelines, Streaming AI (SSE), Semantic Parsing (dom-to-semantic-markdown), RAG Architectures, Prompt Engineering.
Leadership	System Design, Protocol Architecture, Hiring & Mentorship, Technical Strategy.
Stack	TypeScript/Node.js, React, NestJS, Go, Python (FastAPI), MongoDB Atlas (Vector Search), LangChain, LangGraph, LangSmith, Rust.
Blockchain	Ethereum & EVM (Optimism, Base, Arbitrum, Polygon), Solana, Cross-Chain Bridging, Account Abstraction (ERC-4337), Smart Contract Security (Foundry, Hardhat).
Infrastructure	Google Cloud (Cloud Run, Vertex AI), Terraform, GitHub Actions (GitOps), Chrome MV3 / Safari WebKit, Docker, Firebase.

PROFESSIONAL EXPERIENCE

Alete Nov 2025 – Present

Founder/Engineer

A high-performance companion for a sharper, cleaner information experience. <https://alete.ai/>

- **Agentic AI Reasoning Graph:** Architected a multi-stage, resilient AI reasoning pipeline using LangGraph and Langchain, delivering low-latency content analysis and bias detection for iOS and Safari users.
 - **AI Observability & Token Optimization:** Integrated LangSmith for granular tracing of multi-stage agentic reasoning paths, implementing token-count monitoring and cost-optimization strategies to scale real-time cognitive bias detection with sub-second latency.
 - **Cloud-Native Data Substrate (MongoDB Atlas):** Implemented a high-performance data layer using MongoDB Atlas for agentic memory and vector persistence, enabling seamless state synchronization between the mobile app and Safari extension.
 - **iOS-First Interaction Model:** Engineered a unified Swift/TypeScript core for the iOS app and Safari WebKit extension, developing a real-time UI that highlights cognitive distortions and manipulative language while maintaining privacy.
 - **Privacy-Centric Impact Metrics:** Built an edge-computed analytics framework to track "Bias Mitigation" and "Content Neutralization," providing users with quantifiable data on their reclaimed focus and perspective.
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Eco Inc. (Remote)

Mar 2018 – Nov 2025

Staff Blockchain Engineer (Founding Engineer)

A fintech and blockchain protocol company focused on stablecoin infrastructure for an entirely new economy.

- **Eco-Solver Infrastructure:** Architected and led the development of a cross-chain solver system coordinating transaction fulfillment across 34+ EVM networks and Solana. System currently secures **\$600M+ in TVL**.
 - **Engineering Culture & Hiring:** Built the web3 engineering vertical from the ground up. Designed the technical interview rubric and led hiring for frontend, backend, and Solidity roles.
 - **Cross-Chain Liquidity:** Designed the *Eco-Routes* intent routing protocol, creating a unified liquidity layer for bridging assets between L2s (Optimism, Base, Mantle).
 - **Infrastructure Scaling:** Built *Routes-Rindexer*, a high-performance off-chain event indexer (NestJS/Redis/Postgres) to handle massive scale data aggregation for on-chain events.
 - **Account Abstraction:** Pioneered early adoption of ERC-4337, creating a novel "2D Nonce" utility to optimize multi-dimensional transaction encoding.
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Independent Consultant San Francisco, CA

Aug 2017 – Mar 2018

Blockchain & Mobile Architect

- Advised early-stage startups on decentralized application architecture.
 - Developed MVP mobile clients and Solidity contracts, bridging the gap between web2 UX and web3 infrastructure.
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Tubi TV San Francisco, CA

Oct 2016 – Jun 2017

Staff Engineer (Android / Android TV / Cast Lead)

- **Team Leadership:** Led the Android and Chromecast engineering teams, serving 2M+ Monthly Active Users.
 - **Architecture:** Redesigned the mobile streaming core (ExoPlayer) and modernized CI/CD pipelines to increase release velocity.
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Omada Health San Francisco, CA

Aug 2014 – Oct 2016

Senior Mobile Engineer

- Scaled the flagship Android application for behavioral health, driving key patient engagement metrics.
 - Integrated complex health data APIs (Google Fit, Samsung Health) and open-sourced internal UI libraries.
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Bitheon Ltd

Jan 2014 – Jul 2015

Founder & CTO

- Founded a crypto analytics platform (pre-Ethereum explosion), building the Node.js backend and Android client to aggregate global exchange data.
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Early Career

- **Aptina** – Android Software Engineer (2012 – 2013)
- **UCLA Biophotonics Lab** – Development Engineer (2010 – 2012)

EDUCATION & PATENTS

- **University of California, Los Angeles (UCLA)** – B.S. in Electrical Engineering (Biomedical Option) – 2005–2010

- **U.S. Patent Holder:** Portable Rapid Diagnostic Test Reader

INTERESTS

Cycling, freediving, spearfishing, and kayaking.