

Kirill Langer

SENIOR SOFTWARE ENGINEER

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- [Portfolio](#)
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PROFESSIONAL SUMMARY

Innovative software developer with extensive full-stack experience and a unique background in neuroscience research. Specializes in cloud architecture, mobile development, and leading engineers. Proven track record building serverless platforms at scale, leading engineering teams, and integrating AI into production workflows.

TECHNICAL SKILLS

AI	Crew AI, LLMs (Claude Code, Gemini, OpenAI)	FRONTEND	React, React Native, TypeScript, JavaScript, HTML, CSS, Redux, Tailwind
BACKEND	Python, GraphQL, REST APIs	MOBILE	Flutter, Dart, Kotlin, Jetpack Compose
CLOUD	Databricks, AWS (SAM, API Gateway, Lambda, CloudFormation, IAM, S3, EC2), Firebase, PySpark, Airflow, SQL	TOOLS	Git, CI/CD, Agile Methodologies

PROFESSIONAL EXPERIENCE

Senior Software Engineer II / Tech Lead | Aledade

July 2025 - Current • Remote

- Ensured IPO readiness by implementing SOX-compliant security controls for financial data pipelines
- Moved a legacy distributed Python codebase into a Databricks environment, optimizing performance and scalability
- Improved the deployment process of Aledade's core business logic, eliminating rebases previously necessary for deployment
- Championed AI-assisted coding adoption across the organization, accelerating developer productivity

Senior Software Engineer | Cognito Health

July 2021 - July 2025 • Hybrid

- Architected and implemented serverless infrastructure using AWS CloudFormation, ensuring successful multi-region deployments across UK and USA
- Led development of cross-platform mobile applications using React Native and GraphQL, achieving seamless data synchronization
- Managed a team of 5 developers, establishing engineering best practices and maintaining code quality through comprehensive reviews

- Deployed AI-powered solutions leveraging multiple LLMs (Claude, Gemini, OpenAI) and automated workflows using Crew AI

Software Engineer | **Tendril/Uplight**

October 2018 - June 2021 • Boulder, Colorado

- Developed high-impact energy report system using React, achieving 98%+ CSAT score with 100,000 monthly users
- Engineered voice payment application for Amazon Alexa and Google Home using JavaScript
- Implemented ETL pipelines using Airflow and PySpark for energy report quality control
- Built Python/Pandas analytics pipelines that informed executive decision-making on strategic energy initiatives

Research Technician | **Harvard University, Crickmore Lab**

March 2015 - October 2017 • Boston, Massachusetts

- Led research on molecular basis of motivation, contributing to \$2.7M in grant funding
- Published as second author in Neuron journal on CaMKII's role in motivation
- Mentored four undergraduate researchers in laboratory techniques and protocols

PROJECTS

Rekindle Sauna

Full-Stack Booking Platform • Side Project

- Built an end-to-end booking platform with Stripe payment processing, subscription management, and in-person terminal support
- Architected a serverless backend using AWS SAM with 15+ Python Lambda microservices, DynamoDB, and API Gateway
- Developed the frontend with React, TypeScript, and Chakra UI, featuring real-time availability, multi-location support, and Cognito authentication

rekindlesauna.com →

Belayionship

Mobile Application for Climber Networking

- Developed full-stack mobile app using Flutter, Dart, and Firebase
- Implemented social features including authentication, messaging, and profile matching
- Managed state using Redux for seamless data synchronization

[Watch Demo](#) →

EDUCATION

App Academy

December 2018 - July 2019

- Completed 1000+ hour intensive web development program (< 4% acceptance rate)

University of Colorado at Boulder

BA in Ecology and Evolutionary Biology · 2014

- Awarded Undergraduate Opportunity Program grant for independent research
- Completed international studies in Uppsala, Sweden

PUBLICATIONS

Thornquist SC, **Langer K**, Zhang SX, Rogulja D, Crickmore MA. (2020). CaMKII Measures the Passage of Time to Coordinate Behavior and Motivational State. *Neuron*, 105(2):334-345.e9

Cited 30 times

[View on PubMed →](#)

ADDITIONAL EXPERIENCE

- **Code For Fun Mentor** (2022): Taught web development to high school students
- **Professional Rock Climbing Instructor** (2006): Led technical climbing instruction and completed notable ascents including El Capitan