

Yuval Reiss

Software Engineer | Backend, Platform and Applied AI

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Summary

Software engineer with six years building distributed backends, APIs and full-stack products in TypeScript and Node.js, now building core services and AI agents on Riverside's Platform team. A clear technical communicator: I present to C-level leadership and at conferences, led 30 TAs as a head TA, and work as a licensed tour guide. Native English and Hebrew.

Skills

Languages	TypeScript, JavaScript, Python, Go, Java, Swift, Dart, SQL
Backend	Node.js, Express, Next.js, GraphQL, tRPC, REST, Socket.io, Microservices
Frontend	React, Angular, Flutter, iOS
Data	MongoDB, PostgreSQL/PostGIS, MySQL, Redis, Prisma, RabbitMQ, Zookeeper
Cloud	AWS, GCP, Cloudflare, Railway, Docker, Kubernetes, Jenkins, CI/CD
AI	Claude API, AI agents, LLM-powered automation and evaluation

Experience

Riverside Backend Engineer, Platform Oct 2025 - Present Tel Aviv

- Build core TypeScript/Next.js microservices (users, accounts, invites, features, payments) for scale and data integrity.
- Design and run AI agents that audit production data, catch cross-service bugs and report platform health.
- Architected safe, high-throughput batched migration tooling for large production MongoDB collections.
- Own the AI interview platform used to hire engineers: Claude agents, automated scoring, isolated sandboxes.
- Present Platform work to C-level leadership and the company at Demo Days; represent Riverside at tech conferences.

Bandmates Lead Software Engineer Aug 2023 - Oct 2025

- Led engineering end to end and designed the algorithm matching musicians by location, skill level and taste.
- Grew it from a Flutter and Firebase app into a Next.js, tRPC and PostGIS platform with Socket.io real-time chat.
- Worked with design and product on performance improvements that raised engagement 30%.

Sisense Software Engineer and Scrum Master Oct 2020 - Sep 2023 Ramat Gan

- Delivered multi-tenancy, usage analytics and JWT/SSO/OIDC auth across Node.js APIs and React/Angular apps.
- Integrated RabbitMQ and Zookeeper into the distributed system to improve scalability.
- As Scrum Master from 2022, ran sprints and aligned the roadmap with product and business stakeholders.

Capital One iOS Developer Intern Jun 2018 - Aug 2019 McLean, VA

- Rewrote the iOS app's payments API layer in Swift and built the cloud API for canceling scheduled payments.
- Developed a new push notification system for the iOS apps in Java and Swift.

Projects

Gear Finder thegearfinder.net Next.js, TypeScript, PostgreSQL, Zod

Pickup research tool for 1,365 pickups from 29 makers, fed by a TypeScript ingestion pipeline over 15+ sources.

The Pantry thepantry.recipes Next.js, tRPC, Prisma, Auth.js, Claude API

Recipe search over 10,000+ recipes, using the Claude API to normalize ingredients and parse voice input.

Communication and leadership

Licensed Israeli Tour Guide 2024-Present

Guide groups around Israel, turning complex history into clear stories for varied audiences.

Graduate Lecturer and Head TA, University of Maryland 2018-2020

Taught 30-student sections and led about 30 TAs for the largest course on campus. Co-chaired the CMNS ambassadors, presenting to prospective students and families.

First Sergeant, IDF Givati Reconnaissance 2012-2015

Led 20+ soldiers and was recognized for leadership. Now a platoon commander in the reserves.

Education

M.S. Computer Science University of Maryland, GPA 3.9 2020

B.S. Computer Science University of Maryland, Dean's List 2019