# Renan Bazinin

054-xxxxxxx | renanbazinin2@gmail.com | My Site | Git Profile | LinkedIn

## Summary

**Full-Stack Developer** with experience delivering production applications in banking and award-winning AI projects. Skilled in React, TypeScript, Node.js, and Python across front-end, back-end, and cloud environments.

## Experience

**Full-Stack Developer**, Discount Bank, 2026–Present

Develop the bank's **enterprise AI chatbot** app, used as the internal AI assistant for employees.
Build **agent harness** capabilities into the chatbot, extending it beyond plain Q&A.
Own features end to end across front-end and back-end in a regulated banking environment, working with cross-functional teams.

**Software Engineer**, Nand2tetris Teaching Staff, Reichman University, 2025–2026

Live Link • GitHub • Videos • Merged PRs
Contributed 6 merged PRs to the official Web IDE (TypeScript + React) used by thousands of students: rewrote the Bitmap Editor in React, redesigned Settings, fixed a Jack compiler bug.

**Software Engineer**, Dr. Sarel Cohen's AI Lab, Academic College of Tel Aviv-Yaffo, 2024–2025

**FocusFlow** – Award-winning AI video-learning platform (React + Python)

Live Link • GitHub • Video • Paper
Independently trained an engagement classifier on MediaPipe landmark features, running on-device via ONNX Runtime; built the Flask/Gemini backend, packaged with Docker for GCP.
**Publications**: "FocusFlow: A Real-Time Engagement System Enabled by Client-Side Inference", SYSTOR 2025 (**Best Poster Award**); "FocusFlow: AI-Driven Engagement Monitoring and Interaction for Educational Videos", AIED 2025 Demo Track.
**Recognition**: 1st place, MTA Final Project Exhibition (~70 projects).

**Software Engineer**, Creative Action Lab, Ono Academic College, 2025–2026

Live Link • GitHub • Paper
Built a real-time behavioral research platform using Flask, MongoDB, and MediaPipe.
**Publication**: "Creative Foraging Game with AI: How Humans and AI Explore and Exploit Together", HAI 2025.

## Open Source

**Forktown**, creator & maintainer, 2026

Live Link • GitHub
Open-source town for first-time contributors (React + TypeScript): each merged PR adds a house. GitHub Actions validate and auto-merge PRs; 132 merged from 44 contributors in the first month.

**TimeScribe**, open-source time-tracking app (919 GitHub stars), contributor, 2026

Pull Request • Release
Added right-to-left (RTL) support and Hebrew/Arabic localization (107 files); shipped in v1.17.0.

## Skills

- React, TypeScript, JavaScript, Redux
- Python: Flask, PyTorch, MediaPipe
- Java, C++, VBA
- Databases: SQL, MongoDB
- Node.js, REST APIs, Docker, GCP
- AI/ML: ONNX Runtime, OpenAI, Gemini

## Education

2022–2026
B.Sc. in Computer Science, Academic College of Tel Aviv-Yaffo (MTA)
**GPA: 83.3**

## Military Service

2017–2020

- Platoon Sergeant responsible for logistics and operational execution; built JavaScript/VBA tools and received the Colonel's Award.

## Languages

- Hebrew – Native
- English – Fluent