BEN BANDARKER Junior Software Engineer | Backend & Cloud-Oriented

050-6584728 | ben.bandarker@gmail.com | linkedin.com/in/benbandarker | github.com/BenBandarker | https://www.benbandarker.com/

Professional Summary

Junior Software Engineer | Backend & Cloud-Oriented

Computer Science graduate and AWS Certified Cloud Practitioner with hands-on experience in backend, cloud, and algorithmic projects. Skilled in Node.js, Java, MySQL, and AWS (EMR, EC2, SQS). Built scalable systems with REST APIs and distributed processing. Ex-IDF combat commander with strong leadership and teamwork under pressure. Seeking a Software Engineer role in a dynamic tech team.

Education

B. Sc in Computer Science   September 2021 – October 2024
Ben Gurion University

"Moshal" Program Member   September 2021 – present
International program fostering academic and personal excellence through mentorship and career guidance.

Core Technologies

Languages	Frameworks & Tools	Key Concepts
• Java	• Node.js	• OOP
• Python	• Express.js	• Data Structures
• TypeScript	• Git	• Algorithms
• C	• Linux	• Concurrency
• C++	• MySQL	• Cloud Architecture
	• AWS (EC2, SQS, S3, EMR),	• REST API Design

Projects

Football Insight Hub – (Personal Project) ⌘
Node.js | MySQL | Express.js | RESTful API
-Developed a RESTful backend for managing tournaments, teams, matches, and events.
-Modeled 7-table MySQL schema (50+ tournaments, 160+ teams, 1000s of players).
-Implemented scalable Express routes and reusable service logic.
-Enforced data integrity with constraints, indexes, and validation.
-Built with clean architecture principles for future extensibility.

Collocation Extraction ⌘
Java | Hadoop | MapReduce | AWS
-Processed 17.9B+ English 2-grams using MapReduce on EMR.
-Extracted collocations via Normalized PMI with top-ranked results.
-Reduced shuffle size by 94% via local aggregation.
-Completed full-scale run (~2h) with strong scalability and efficiency.

Sarcasm Analysis ⌘
Java | AWS EC2/S3/SQS | NLP | Sentiment Analysis
-Processed 5,000+ reviews with sentiment analysis and entity recognition.
-Deployed pipeline across EC2 manager + 9 dynamic workers via SQS.
-Achieved 100% task delivery with fault-tolerant queueing and auto-recovery.
-Generated structured HTML reports with sarcasm and sentiment indicators.

SET GAME ⌘
Concurrency Project – Java
-Developed multithreaded version of the SET game with synchronized logic.
-Handled race conditions using concurrency primitives and thread safety.

Languages

• Hebrew   • English

Certificates

AWS Certified Cloud Practitioner
Issued July 2025

VOLUNTEERING

"Yated"- volunteering   October 2022 – March 2023
Tutored children with Down Syndrome

"Ormat" School Tutor   January 2021 – July 2021
Tutored students with learning challenges

MILITARY SERVICE

Infantry, "Givati" Brigade.   March 2016 – November 2018
IDF Combat Commander
Led 10–30 soldiers in operations. Currently active in reserves as platoon commander.