

# Greg Rosenbaum

054-328-3246 | [work.gregr@gmail.com](mailto:work.gregr@gmail.com) | [career.gregros.dev](http://career.gregros.dev) | [github.com/gregros](https://github.com/gregros)

*I love building things.*

## EXPERIENCE

### Company Technical Lead

Jan 2021 – Present

*Reflectiz*

*Ramat Gan, Israel*

- Company-wide technological leadership role reporting directly to company founders.
- Led R&D of Chromium-based platform and services written in TypeScript on Node.js, backed by MSSQL.
- Ported GCP infrastructure to Terraform, scaled by 30+, and expanded into new regions.
- Wrote 10+ micro-services and CLI tools in Python and Bash used across multiple teams.
- Integrated observability into 100+ spot instances to understand incidents post mortem.
- Optimized compute infrastructure for throughput vs cost running perf-sensitive workloads.
- Led investigations into 20+ incidents across 5+ monolithic services using DB and monitoring.
- Hacked together a framework for domain-specific integration tests, used to write 100+ test cases.
- Developed TypeScript-based DSL for browser automation used by teams to write 100+ automation scripts.
- Set code conventions, wrote templates, integrated CI/CD, provided technical oversight, etc.

### Senior Backend Developer

Jul 2019 – Oct 2020

*Appdome*

*Tel Aviv*

- Solved scalability, dependency, migration, performance, and memory issues in Node.js.
- Modernized development processes by introducing PRs and code reviews.
- Continuously refactored codebase to avoid duplication and increase maintainability.
- Participated in feature design, specification, and testing.

### Senior Backend Developer

May 2017 – Feb 2019

*Reflectiz*

*Ramat Gan, Israel*

- Built Chromium-based platform in TypeScript on Node.js.
- Wrote code monitoring all browser activity, including: JS, HTML, CSS, Web APIs, iframes, eval, etc.
- Flexible program architecture allowed company to pivot based on market opportunities.
- Leveraged multi-process parallelism for throughput and consistency in perf-sensitive workloads.
- Designed a testable program architecture with strong SoC, using DI for loose coupling.
- Wrote complex data processing queries on graph data in MSSQL.

### Full Stack Developer

Jan 2016 – May 2017

*Eternitech*

*Ramat Gan, Israel*

- Built SPAs for clients with C#, Node.js backends, React frontend, and MSSQL.
- Maintained existing apps using ASP.NET (MVC/Web Forms), JQuery, Classic ASP, etc.
- Gathered requirements, wrote specifications, received feedback, provided support, etc.

## PROJECTS

**Parjs** | *TypeScript, JavaScript* | [github.com/gregros/parjs](https://github.com/gregros/parjs)

2018 – Present

- Developed parser building library following the parser combinator pattern, e.g. Parsec (Haskell).
- Hand-wrote 50+ parsers and combinators, plus a separate package for Unicode char recognition.
- Library is popular in its domain with 16K+ monthly downloads and multiple active contributors.

**Imms** | *C#, F#* | [imms.github.io](https://imms.github.io)

2012 – 2016

- High performance immutable collection library in C#, rigorously tested in F#.
- Achieved optimal complexity by taking data structures and algorithms from research papers.
- Maximized performance using low-level optimizations via benchmarking and CPU profiling.
- Designed powerful and consistent API across 5 collections with an emphasis on DRY and SoC.

## SKILLS

**Languages:** Hebrew (native), English (native)

**Code:** TypeScript, JavaScript, Python, Bash, C#, F#, Scala, Kotlin, Rust, C++, ...

**Platforms:** Node.js, .NET, Linux, Windows, Azure, GCP, K8s, Docker

**Databases:** MSSQL, Redis, MongoDB, Memgraph

## EDUCATION

**BSc in Computer Science (Incomplete)**

2013 – 2015

*Technion*

*Haifa, Israel*