

# Omer Preminger

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**Technologies** | Go (Golang), Ruby on Rails, Rust, Java, Python, C, C++, Object-Oriented Programming, Functional Programming, Containerization, Linux, Systems Programming, Observability (Prometheus+Grafana pipeline), PostgreSQL

**Key trait**  
Quick learner. Ramps up on new knowledge exceptionally fast.

## Work experience

### Staff Software Engineer, **GEICO Tech**

Sep 2024 – present

Golang   Linux   Infrastructure-as-Code   Observability   SRE

- Member of the IaaS (Infrastructure-as-a-Service) SRE team
- Establishing best practices for Golang development across the IaaS SRE team and its sister PaaS (Platform-as-a-Service) team
- Mentoring junior engineers
- Training fellow engineers in Golang patterns & concepts

### Senior Software Engineer, **ID.me**

Dec 2023 – Sep 2024 (10mo)

Ruby on Rails   PostgreSQL   Identity Management & Verification   Prometheus + Grafana

- Member of ID.me's *Accounts* team
- Developing & maintaining server-side software for ID.me's first-in-class identity layer
- Designing secure, performant, and reliable service architectures
- Technical writing
- Statistical modeling & data analysis
- Monitoring, telemetry, and automated alerting (primarily using Prometheus + Grafana)

### Software Engineer, **Sylabs Inc.**

Feb 2023 – Nov 2023 (9mo)

Golang   Linux   Containerization   CI/CD

- Developing & maintaining cutting-edge containerization software (SingularityCE) for high-performance/enterprise settings.
- Contributing to the core development of SingularityCE, playing a pivotal role in its stability and scalability.
- Actively managing and supporting the Singularity open-source project on GitHub, fostering collaboration and driving community engagement.

### Linguistics Professor, **University of Maryland**

Aug 2014 – Jun 2022 (7yr 10mo)

- Led international research teams to achieve groundbreaking results in linguistics.
- Mentored and guided junior researchers, fostering their professional growth and contributing to their career success.
- Developed innovative training frameworks that enhanced the skills and knowledge of junior researchers.
- Designed and developed software solutions to streamline research processes, increasing efficiency and accuracy.
- Timeline: Assistant Prof. (2014-2017); Associate Prof with Tenure (2017-2022).

## Software Engineer, Cav Systems (Israel)

Jan 2004 – May 2005 (1yr 4mo)

Java

IDE Development

- Developed cutting-edge software for automated translation of code from M (a.k.a “MUMPS”) to Java.
- Successfully modernized a large codebase, enhancing functionality and paving the way for future advancements.
- Enhanced the portability of an existing codebase by optimizing it to run seamlessly on any device with a JVM, ensuring wider accessibility and usability.

## Software Engineer, Personeta Inc. (Israel)

Feb 2001 – Jan 2004 (2yr 11mo)

Python

Java

- Designed and developed innovative Hosted App Architecture for telecom providers.
- Main client: British Telecom (BT)

## Software Engineer, Intel (Israel Research Center)

Aug 1994 – Aug 1995 (1yr)

C

C++

Linux

Unix

Operating Systems

- Developed custom software to test compatibility of commercial operating systems - Windows, various flavors of Unix, OS/2 - with the new (at the time) MMX processor architecture.

## Education

### PhD – Massachusetts Institute of Technology

2006 – 2011

Linguistics

- PhD dissertation published as a book in 2014 (MIT Press).

### B.Sc. – Tel Aviv University

2001 – 2004

Computer Science

Linguistics

- Bachelor of Science (double major).
- Graduated *summa cum laude* in both majors.

## More about me...

**Interests:** dogs, traveling, history of ancient Rome, American football (mostly NFL, some college)

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

## Links, etc.

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