

Daniel Blinder

Full-stack developer

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Ramat Gan, Israel 

I am an experienced software engineer proficient in both **frontend** and **backend** development. My recent exploration into creative coding and generative art showcases proficiency in *Typescript*, *Pixi.js*, *WebGL*, and *Three.js*. Throughout my career, I have excelled in **optimizing performance** and **promoting teamwork and collaboration**. What I find most fulfilling about programming is its creative aspect, bringing visuals and aesthetically pleasing creations to life.

Experience

Frontend Developer

Freelance

Oct 2022 - Feb 2024

- Worked on developing several dynamic and responsive user interfaces with TypeScript and frameworks like React and Svelte, ensuring optimal performance and a user-friendly experience.
- Translated design mockups and wireframes into high-quality, interactive web applications, showcasing attention to detail and adherence to UI/UX best practices.
- Implemented and maintained scalable stylesheets with SCSS, fostering code reusability and consistency across various projects.

Senior Java/Scala Developer

Realj · Tel Aviv, IL

May 2021 - Sep 2022

- Engineered backend microservices using Scala and the Play framework, ensuring robust and scalable functionality for a seamless real estate experience.
- Enhanced database performance by optimizing MongoDB queries and implementing improvements in Mongo Compass, elevating the efficiency of data retrieval processes.
- Provided mentorship to team members, imparting expertise in Scala and functional programming, fostering a collaborative and skilled development team.

Frontend Engineer

Israel Defense Forces · Tel Aviv, IL

Apr 2019 - Apr 2021

- Developed intuitive front-end interfaces for multiple internal websites within the General Staff of the IDF using React, enhancing user access to crucial operational data.
- Utilized the D3.js library to visualize graph connections, improving the representation and accessibility of critical information.
- Guided, mentored, and developed new recruits in front-end development practices, contributing to team cohesion and expertise.
- Applied the Neo4j graph database for efficient storage and querying of operational data, optimizing information retrieval processes and facilitating a cohesive and user-centric digital environment.

Java Backend Developer

Puls · Tel Aviv, IL

Feb 2017 - Jan 2019

- Engineered the migration of a PHP monolith to Java microservices using Spring Boot, enhancing system performance and maintainability.
- Developed integrations for offline conversion tracking systems, improving performance metrics accuracy.
- Created a price calculation microservice, streamlining pricing with tax calculations, upsells, coupons, and discounts.
- Led the development of an NPS scoring system and mail sending microservice, boosting customer engagement and satisfaction.
- Innovated a timetable microservice for efficient appointment scheduling, considering technician availability and market-specific factors.

Projects

Generative art sketches

Typescript · Pixi.js · WebGL · Three.js · Shaders

This project encompasses the source code for my portfolio's generative artworks. Addressing challenges involved optimizing rendering performance for a seamless 60 fps, maintaining a clear separation of artwork code from setup details, and methodically refactoring shared functions into a utilities library.

Personal website

Typescript · Svelte · SvelteKit · SCSS · Web Workers

Repository which hosts the source code for my personal website. Key features include the incorporation of a thread pool pattern to optimize site responsiveness during sketch rendering.

Skills

Databases

MongoDB
PostgreSQL
Redis

Cloud and DevOps

AWS
Docker
Kubernetes
Jenkins

Backend development

Java
Scala
SpringBoot
Play

Frontend development

Javascript
Typescript
React
Svelte
Pixi.js

Education

Bachelor, Applied Math

Odessa National University

Languages

Ukrainian · Native

Russian · Native

English · Upper intermediate

Hebrew · Intermediate

Links

codedpalette.github.io 

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