

# Ilya Gavrikov

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<https://engi.io/>

<http://github.com/Eng1N33R>

## About

Motivated developer and quick learner with a broad set of skills and interests. Experience working in different environments and with different tools. Experience working in teams, including large international teams, and communicating with clients. Knowledge of five languages, fluent in three.

## Interests

Web apps (frontend, backend, full stack), mobile apps (Android/iOS), machine learning, computational linguistics, game dev.

## Technical experience

**Languages:** JavaScript, Java, Kotlin, Python, Lua, PHP

**Technologies:** Node.js, Express, React, Redux, Webpack, Three.js, Vue.js, Svelte; SQL, Postgres, MongoDB; Android; Gradle, Maven; Laravel, Lumen

**Tools:** VS Code, IntelliJ IDEA, WebStorm; JIRA, JetBrains Team Tools (Hub, Upsource, YouTrack, TeamCity), Phabricator, GitHub, GitLab; Docker

## Other skills

- Languages:
  - Russian – native
  - English – perfect (TOEFL 113/120);
  - German – fluent (C1);
  - French – B1;
  - Spanish – B1;
- Experience working with Git and various Git flows, other version control systems (SVN, Mercurial);
- Experience working with Unix environments;
- Some DevOps experience (Docker, EB, systemctl and other Linux internals, etc.);
- Some experience working with TensorFlow

## Projects

**Chexout**

<https://chexout.com>

2020–

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Team project, backend role. Closed source web app for US sexual health clinics. Java Spring monolithic backend interfacing with Go microservices, DevOps integration (AWS).

**Priiv**  
2019–2020

<https://priiv.app>

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Backend/DBA role. Closed source iOS app for tracking and assessing personal privacy. Node API with MongoDB data layer, external services integration (Hubspot), DevOps (AWS).

**CauseMatch**  
2019–

<https://causematch.com>

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Team project, full stack role. Closed source website and web app for an Israeli charity platform. Backend (Node.js, Express, web sockets, RBAC/JWT/rate limited RESTful API), frontend (React, Redux, Pug templating), external services integration (payment providers), DevOps integration (AWS).

**LawTime**  
2018–

<http://lawtime.legal/>

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Team project, full stack role. Closed source CRM web app for Estonian and European law firms. Migrating legacy Java code onto a new architecture and integrating the two together (Spring, Hibernate, Liquibase), DevOps integration, frontend development (React, Redux), external service integration (Outlook, ERP systems).

**NeuroTech**  
2017–2018

<https://github.com/Eng1N33R/neurotech-nids>  
<https://github.com/Eng1N33R/neurotech-web>  
<https://github.com/Eng1N33R/neurotech-android>  
<http://nt.engi.io/>

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University research project. Anomalous network traffic detection system built on top of a deep learning neural network. Core built in Python using TensorFlow and Postgres for data storage, web app and API built in Node using Express, React, Semantic UI, Android mobile app built in Kotlin.

**AvatarMC**  
2015–2018

<https://www.avatarmc.com/>  
<https://github.com/Eng1N33R/LuaSpigot>

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Large international team project (USA/Netherlands). Themed Minecraft server, closed source/NDA. Development of multiple Java plugins that significantly overhaul game systems – economics, travel, missions etc. Experience working in an Agile team of several developers, writing enterprise code.

**CS2D**  
2014–2019

<http://store.steampowered.com/app/666220/CS2D/>

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Indie game with a three-developer team published on Steam. Built in BlitzMax with C bindings and Lua API. Tasks included development of backend API, network protocols, data structures, mod support and external service integrations (Steam, Discord), including writing C wrappers and bindings for external libraries.

**Vintagize**  
2013–2014

<https://github.com/Eng1N33R/vintagize>

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Java Android app for photo montages. Built in collaboration with an artist who provided UI design and usable elements. Previously published on the Play Store (deleted due to sanctions).

**KURS**  
2012–2015

[http://kypc-m.pф/  
guest:12345](http://kypc-m.pф/guest:12345)

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School research project. Online testing and education system. PHP backend (no framework), jQuery frontend, MySQL database.

### Education

**Business Computing (MSc)**  
2019–

Crimean Federal University  
Institute for Economics and Management

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**Business Computing (BSc)**  
2015–2019

Crimean Federal University  
Institute for Economics and Management

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