

# Vitalii Meshchaninov

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I'm a Fullstack Web Engineer with 15+ years of experience, including 10+ years of working remotely with startups and growing companies.

My primary tools: TypeScript, React, Node.js, shell. I love Rust, have Python experience, and just started learning Go.

I'm seeking a B2B engagement with a company outside of Spain. Or a direct employment with a visa sponsorship in Spain. This is due to the restrictions of my Digital Nomad visa.

Location: Gandia, Valencia, Spain

Residence: Spain, Digital Nomad visa

Languages: English (fluent), Spanish (basic), Russian (native)

## Contacts

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LinkedIn: <https://linkedin.com/in/glukki>

GitHub: <https://github.com/glukki>

## Experience

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### Web Engineer

Squire · 2020 - 2025 · United States · Remote Full-time

Catalog: <https://getsquire.com/discover>

Booking: <https://getsquire.com/booking/brands/glassbox>

### Projects

- Appointments booking frontends for Desktop, Mobile and Widget from scratch
- Catalog of barbershops, frontend and backend
- Back office for barbershops
- Cloudflare Workers routing proxy

### Responsibilities

- Work in a cross-functional team
- Features analysis and planning
- Apps initial development, improvement and support

- Apps architecture and API design
- Reusable responsive UI components development
- Unit/integration/end-to-end tests development
- Release management
- Errors and performance monitoring

## **Achievements**

- Implemented features like: map with clusters, shop/barber/service/time search and select, barber/client available time intersection, flexible tipping, auth and registration, payment processing, wait list, confirmation, emails, feedback collection, app branding and theming, geo-search
- Simplified shopping cart state management
- Integrated Google Maps, Google Calendar, Google Analytics
- Investigated and fixed performance issues, bundles bloating
- Raised code quality by creating shared code quality control configuration
- Improved CI/CD pipelines, reduced deployment time 10x

Techs: apple pay, aws, bull, chai, ci/cd, cloudflare workers, css, cypress, datadog, date-fns, docker, eslint, express.js, figma, framer-motion, fullstory, google calendar, google maps, google pay, html, i18next, jenkins, jest, jwt, kafka, launchdarkly, mapbox, microservices, mocha, moment.js, monorepo, nest.js, next.js, node.js, npm, oauth, passport.js, postgis, postgresql, prettier, prisma, react, react-query, redis, rest api, s3, sentry, sequelize, storybook, stripe, styled-components, styled-system, svg, typescript, webpack, yarn

## **Full-Stack JavaScript Developer**

iQualify LXP · 2017 - 2020 · New Zealand · Remote Full-time

Built a web app with Angular Universal from scratch.

Enabled Stripe payments.

Created proprietary Angular components library.

Converted Zombie.js tests to WebdriverIO.

Integrated app with Azure AD SSO.

Worked on AngularJS to Angular migration.

Worked on the main web app development.

Techs: angular, express.js, mongodb, node.js, stripe, typescript, webdriver.io

## **Senior Node.js Developer**

Johnson & Johnson · 2016 - 2017 · United States · Remote Full-time

Created a REST API for mobile clients.

Implemented a data conversion mechanism to pass data between client and back-end microservices.

Worked in an Agile, design-driven environment.

Covered code with unit/integration tests.

Supported CI/CD configuration.

Techs: apigee, express.js, javascript, mocha, node.js, rest api, swagger

## Frontend Developer

Yandex 2014 - 2015 · On-site Full-time

Yandex.Mail frontend and backend development.

Techs: gulp, javascript, node.js, xslt

## Projects

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### TabMemFree

2011 - present

<https://chromewebstore.google.com/detail/tabmemfree/pdanbocphccpmdkhloklnlfplehiikb>

Those days I had a laptop with a very few RAM. Every app switch was taking ages because of swapping to and from HDD. And Chrome was contributing the most to this issue.

So I made a Chrome extension. It reduced RAM footprint and CPU load by "parking" inactive tabs to an empty page, while preserving tab title and icon. On tab activation it would go "back" in history to restore tab state almost immediately. It was the first extension of it's kind for Chrome, which I presented on a Google conference.

Years later Chrome provided an API to "suspend" tabs without losing state or affecting the history. And a suspension automation later, making TabMemFree useless for good.

Techs: typescript, chrome extensions api

### Kloomba

2011 - 2012

<https://github.com/glukki/kloomba>

Galcon-like location-based mobile MMO game.

Made a backend server and inspired 2 other people to make designs and an Android client.

Project closed soon after making the first working version.

Techs: python, google app engine, protobuf, memcached

## LEGO Storage System

2025

### Problem

My son had a pile of LEGO parts split evenly across 5 IKEA Trofast boxes. While building, most of the time was spent on parts searching.

### Solution

To fix that I made a LEGO parts storage system:

- analysed parts inventory
- defined distinct parts groups
- split groups by size, if size varied a lot
- conducted tests to verify and adjust grouping logic with end user's expectations
- picked sizes of 3D-printable inserts for IKEA Trofast boxes, that can accommodate groups, while taking as little space as possible, and letting locate a part within a group within a couple of seconds
- optimised 3D-printing settings to reduce print time and material used, while providing enough strength
- conducted assisted LEGO models assembly/disassembly sessions to verify system integrity under heavy load

### Results

- x10 faster access time
- x3 less searching noise
- x5 sell parts on the floor

I make systems everywhere I go :)

## Recommendations

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### Ali Morshid

Senior Engineering Manager at SQUIRE Ali managed Vitalii directly

Vit's attention to detail and ability to think outside the box is something I truly admire. Vit has always challenged technical decisions and made sure we stayed on track and "did the right thing". He is a pleasure to work with through and through and it has been

an absolute pleasure being his manager. I wish you the best of luck Vit, and I hope we cross paths again in the future.

## Volunteering

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### Organiser, Mentor

nodeschool.io 2015 - 2020

Helped beginners learn JavaScript, TypeScript, Node.js using interactive courses.

Conducted Telegram bots coding master classes.

## Education

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North-West State Technical University

Engineer's degree, Management Information Systems and Services

## Techs

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Apple Pay, AWS, Bash/Fish, Bull, Chai, CI/CD, Cloudflare Workers, Cron, CSS, Cypress, Datadog, date-fns, Deno, Docker, ESLint, Express.js, Figma, Framer-Motion, Fullstory, Git, Github Actions, Go, Google Analytics, Google Calendar, Google Maps, Google Pay, GraphQL, HTML, i18next, Jenkins, Jest, JWT, Kafka, LaunchDarkly, Linux, Lit, Mapbox, microservices, Mocha, Moment.js, MongoDB, monorepo, MySQL, neovim, Nest.js, Next.js, Nginx, NixOS, Node.js, npm, OAuth, Parcel, Passport.js, PostGIS, PostgreSQL, Prettier, Prisma, Python, Radicle, React, React-Query, Redis, Rest API, Rust, S3, Sentry, Sequelize, SSR, Storybook, Stripe, Styled-Components, Styled-System, SVG, Tailwind, TypeScript, WebdriverIO, Webpack, WebStorm, Yarn, Zellij, Zustand