

SERGII KOCHETOV

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Aerospace engineer turned full-stack developer. With a decade in aerospace engineering - designing and manufacturing commercial aircraft - I bring systems thinking, attention to detail, and comfort with complexity into software. I've worked in international teams throughout my career, and today I build maintainable, well-architected web applications across the full stack, working professionally with Node.js, TypeScript, Fastify, Angular, and React.

TECHNOLOGIES

Front-end: Angular, React, TypeScript, HTML5, CSS3, RxJS, Redux Toolkit, NGXS.

Back-end & Databases: Node.js (Fastify), PostgreSQL, Objection.js, Knex, Drizzle, Zod.

Cloud & Infrastructure: AWS (S3, Lambda), Docker.

Testing: Jest.

Additional: Vue, Svelte, Prisma.

EXPERIENCE

Binary Studio Full-Stack Engineer

Remote
October 2025 - Present

Stack: Node.js, TypeScript, Fastify, Angular, NGXS, RxJS, React, Redux Toolkit, PostgreSQL, Objection.js, Knex, AWS, Zod.

Full-stack development across two connected enterprise products - a field operations management platform and a property assessment and bid proposal platform.

- Full-stack feature development across Node.js backend and frontend (Angular, React).
- REST API design and implementation following a layered architecture.
- Relational database schema design and evolution.
- Frontend state management and component architecture.
- Shared library ownership - API contracts, validation schemas, and domain type definitions.
- Participation in architecture and design decisions.
- Integration with third-party external services and APIs

PROGRESSTECH-UKRAINE Manufacturing Engineer (former Design Engineer)

Kyiv, Ukraine + Remote
May 2016 - October 2025

- Led a team of 10 engineers designing tooling for aerospace assembly processes across multiple concurrent projects
- Communicated design gates directly with Boeing, conducting technical reviews in English.
- Completed a 6-month business trip to Boeing's Everett factory to provide on-site engineering support.
- Supported 737 wing structure assembly and later 777 fuselage assembly — floor structure, doors, and landing gear.

PROJECTS

CHECKLY Binary Studio Academy Final Project

July 2025 - August 2025

[Website](#) | **Stack:** React, Typescript, Fastify, PostgreSQL, Objection.js with Knex, OpenAPI.

- **Established design system** using CSS variables (fluid typography, color palette, spacing, utility classes).
- **Built core reusable frontend components** from Figma designs (buttons, inputs, loaders).
- **Implemented backend plan search** with Fastify + Objection/Knex, enabling logged-in users to search plans by title and category.

- **Developed the Plan Edit page** supporting full CRUD operations with real-time updates previewed in a PDF-like format.
- **Contributed to bug fixing and peer code reviews**, improving overall code quality and maintainability.

LISOGORKA Freelance

January 2025 - March 2025

[Website](#) | Stack: Sveltekit, Typescript, PostgreSQL, Drizzle ORM, Fluid Typography, Cloudinary, Oauth, Supabase.

Designed and built a portfolio website with a custom admin panel for an illustrator client, enabling them to manage content independently without developer involvement.

- **Designed modular architecture** using Repository Pattern and Dependency Inversion (DIP), making the codebase maintainable.
- **Built a responsive, accessible UI** with fluid typography across all screen sizes.
- **Implemented OAuth authentication and Supabase-backed admin panel** for self-service content management.
- **Integrated Cloudinary** for optimized image delivery.

KEENETHICS Internship

Remote
February 2024 - April 2024

[Website](#) | **Stack:** Next.js, PostgreSQL, Prisma ORM, React Admin, Tailwind.

Contributed to an open-source charity platform connecting people with specialists, as part of a structured internship with a real team, sprint planning, and code reviews.

- **Built geographic search and filtering** - find specialists by district, with a dedicated sub-navigation menu.
- **Integrated an interactive map** alongside specialist listings.
- Developed admin panel features for specialist management including CRUD forms and specialization methods.
- **Delivered UI components from Figma designs** - specialist cards, lists, layouts, and base theming.

EDUCATION

BINARY STUDIO ACADEMY

May 2025 - Aug 2025

Full-stack JavaScript development — React.js, TypeScript, patterns, unit testing, and web architecture.

GENESIS ACADEMY, SOFTSERVE ACADEMY

2022-2023

Front-end courses covering TypeScript, React.js, state management, clean code, and SOLID principles.

HILLEL IT SCHOOL

May 2022 - October 2022

Front-end fundamentals — JavaScript, HTML, CSS, REST API, React.js.

ADMIRAL MAKAROV NATIONAL UNIVERSITY OF SHIPBUILDING, Mykolaiv, Ukraine

Master of Automation Engineering, 2012 - 2014

Bachelor of Automation Engineering, 2008 - 2012

ADDITIONAL INFORMATION

- **Languages:** English (full professional proficiency), Ukrainian (native), Polish (basic).
- **Hobbies:** baking, cycling, photography, traveling.