

Yuri Bilyk

Experienced backend developer specializing in building scalable, high-performance systems

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🔗 yuron.dev

SKILLS

- Programming Languages: JavaScript, Typescript (minor Go, Python knowledge)
- Node.js: NestJS, Fastify, Express.js, Koa
- Databases: PostgreSQL, MySQL, MongoDB, Redis (Firebase, Elasticsearch, DynamoDB, Supabase)
- ORMs: TypeORM, Sequelize, Mongoose, Prisma
- CI/CD: GitLab CI/CD, GitHub Actions, Container registry (minor Jenkins experience)
- Orchestration: ECS, Coolify, Dokploy, Docker Swarm, Kubernetes
- Containerization: Docker, ECR, Podman
- Cloud Services: DO, AWS (minor Azure, GCP experience)
- Monitoring: Sentry, New Relic, CloudWatch
- Web Servers: VPS, EC2, Fargate, Traefik, Nginx, Caddy, API Gateway
- Frontend: React, WebExtensions (minor Next.js, Vue knowledge)
- Other: AWS Lambda/S3/SQS/SNS, RabbitMQ, Jest, WebSocket, SSE, OAuth, JWT, Linux, Swagger, Postman, Telegram Bot Api, payment gateways

WORK EXPERIENCE

IT DEV GROUP

Backend Developer [Retail and multi-channel sales platform] July 2025 - Present

- Development of a large-scale backend system handling orders, inventory, pricing, taxes, and integrations
- Worked on business-critical logic for order lifecycle, synchronization, and data consistency across multiple sources
- CI\CD pipelines for all services
- Tech stack: Algolia, Stripe, Express.js, MySQL, AWS Lambda, AWS EC2, Web Scraping tools, Serverless Framework

idevone

Backend Developer August 2024 - July 2025

- [Web3 Trading Platform] Took part in designing scalable architecture, built a robust authentication system, and used AWS Lambda for dynamic scaling during peak traffic. (Tech stack: NestJS, AWS, ElasticSearch, Redis, PostgreSQL, Sentry, RabbitMQ, OAuth)
- [Multifunctional Economic CRM] Created a microservices platform for finances, advertising, and stats, added Telegram/Jira features, and optimized database queries for efficiency. (Tech stack: NestJS, RabbitMQ, PostgreSQL, Firebase, Nx)
- [AI Chat Platform] Developed a multi-assistant platform, designed and implemented a scalable system to support seamless user interactions across various assistant categories. (Tech stack: OpenAI API, PostgreSQL, MongoDB, SSE, NestJS)

Hexide Digital

Backend Developer [Community monetization platform] May 2023 - July 2024

- Transition the project from Express.js to NestJS for improved architecture and scalability
- Complete rewrite of database queries to significantly improve performance, reducing wait times by up to 4 times
- New features implementation
- Tech stack: Express.js, NestJS, WebSocket, Redis, Stripe, Passport.js, PostgreSQL

CTS

Lead Developer [Digital items trading app]

2021 - May 2023

- Led the project from inception, taking full responsibility for its vision, architecture, and overall development
- Built core features like client account management, payment processing, subscriptions, and authentication
- Developed a browser extension, multiple websites, backend services, and Telegram bots
- Implemented CI/CD pipelines to streamline development
- Tech stack: Express.js, NestJS, Docker Swarm, Redis, WebExtensions API, Dokploy, MongoDB, PostgreSQL, React

Freelance

Backend, Full Stack Developer

2020 - 2021

- [Analytics Platform] Developed a YouTube performance analytics platform and a content management tool to streamline social media workflows and automate post scheduling. (Tech stack: Express.js, React-Admin, Supabase, Google APIs)
- [Parsing System] Built a marketplace data parsing system with captcha solving and autobuy features, enhanced by a Chrome extension and Telegram bots. (Tech stack: Node.js, Selenium, Express.js, MongoDB, Passport.js, Grammy, Tailwind)
- [Browser Extensions] Delivered several browser extensions, contributing to a portfolio of successful client projects.
- Fostered long-term client collaborations by consistently delivering impactful and efficient solutions.

uVPN

Assistant Project Manager

2018 - 2020

- Collaborated with developers, DevOps team, and external service providers to implement new VPN features, increased website traffic, improved user engagement

YouTube

Self-employed

2015 - 2020

- What began as a casual hobby quickly evolved into a thriving YouTube channel with over 70,000 subscribers and 100 million total views. Hard work and dedication put me in a position to make my hobby a full-time job

EDUCATION

DSEU

Bachelor's degree, Electrical and Electronics Engineering

MC DSEU

Associate degree, Electrical and Electronics Engineering

LANGUAGES

- English (B2)
- Ukrainian (Native)