

BOGDAN BLAZHKEVYCH

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EXPERIENCE

Minda

New York City

Contract Software Engineer

Jan 2024 - Jun 2024

Technologies: Typescript, Node, ZOD, KOA, PostgreSQL, Jest, GCP, React Native

- Ensured **100% data integrity** over **300+ PSQL migrations** by building a migration **CLI** in **Typescript**
- Architected a **JWT authentication** system with **OAuth**, reducing signup drop-off by **40%**
- Reduced **API** errors and integration time by creating a **OpenAPI & Zod driven TypeScript SDK**
- Collaborated with designers on a **React** component library with **30+ reusable components**
- Enabled natural language commands for actions like username updates via **OpenAI's Assistants API**
- Achieved **98%** coverage using **Jest**, reducing bugs and enhancing code maintainability

Motion

New York City

Contract Software Engineer

Nov 2023 - Jan 2024

Technologies: React, TypeScript, NextJS, Cosmos DB, Azure Functions, NodeJS, Express

- Worked closely with the founding team, modernizing and establishing technical infrastructure
- Automated **CI/CD** using **GitHub Actions & Azure DevOps**, cutting deployment times to **1 minute**
- Integrated **Azure Functions & CosmosDB** to build a serverless waitlist handling **2000+ B2B leads**
- Reduced page load to **400ms from 15s** using **NextJS SSR**, improving **Core Web Vitals & SEO** metrics
- Boosted average session duration by **60%** through the use of interactive **SVG** animations in **React**

PROJECTS / FREELANCE

ClipTiq

Video caption editor with OpenAI Whisper · Aug 2024 - Feb 2025

- Achieved **7s rendering time** for 1-minute videos with a **ffmpeg & Puppeteer** video rendering system
- Built a fault tolerant process pool to manage **Puppeteer** instances, handling **100s of exports**
- Automated **VPS** provisioning & **docker container** deployments via **Bash**, cutting build times by **70%**
- Optimized performance using **Next.js** server side rendering, resulting in **sub-150ms** page load times
- Ensured data integrity via ACID-compliant **PostgreSQL transactions & ZOD** for **API** layer validation
- Reduced boilerplate with a modular **Express** router handling authentication, file uploads, & validation
- Implemented a **JWT auth service** with **OpenID Connect**, SSO, role-based access, and anon sessions

ResyBot

Automated restaurant reservation system · Jun 2024 - Aug 2024

- Engineered a web automation framework with **Python & Selenium** with **<2%** bot detection rate
- Provisioned & deployed **EC2 clusters** using **Bash** scripts for reCAPTCHA token farming & checkout
- Maintained **93% booking success** by preventing race conditions using **DynamoDB** transactions
- Created a **Python** concurrency manager with file-based locking, enabling remote process control
- Streamlined data flow with a **API Gateway & Lambda** pipeline handling concurrent requests at **50ms**

ContextGPT

LLM chat with document OCR · Jun 2023 - Nov 2023

- Leveraged **AWS** services including **SQS, Textract, and S3** to allow users to use LLMs with their files
- Scaled document uploading and processing infrastructure to handle up to **1,000 pages per hour**

SKILLS

Skills: TypeScript / JavaScript, Nodejs, Express, SQL, Python, Bash, React / NextJS, HTML, CSS, AWS, S3, Lambda, EC2, SQS, DynamoDB, Azure, GitHub Actions, Git, Docker, ZOD, Jest, Selenium, PostgreSQL

EDUCATION

Brooklyn Technical High School

2017 — 2021