Team Lead Full-Stack Developer

kobtsev.info@gmail.com

Bangkok, Thailand

Michael Kobtsev

Profile

Hello, my name is Michael, I'm **24 years** old **Full-Stack Developer with 6+ years of commercial experience**.

I specialize in creating of **Web applications with AI Back-Ends** that are hosted and scaled using modern cloud providers and latest stack of technologies.

My goal is to become System Architect one day, now I'm **looking for new experience and interesting projects** to reach this target, hope we will have an opportunity to work together in future.

Education

Computer Science Bachelor's Degree, Novosibirsk State University

09/2019—06/2023

Employment History

React, Python Full-Stack developer / Team Lead at Bushfire AI

02/2023—Present

About project: AI-based fire detection system that works with live 360 degrees cameras. Web contains view for each active camera, detection list and large admin panel for elastic configuration of each camera unit.

My role: Tech Lead and Team Lead of the project. I was setting up full infrastructure, communicating with the client, hiring and introducing new developers, performing management of the team.

Technologies:

- React
- Python Back-End
- GraphQL
- DynamoDB
- Docker
- AWS (Amplify / Cognito / S3 / Lambda / EC2 / SQS / SES / CloudWatch)

Links:

- Official Web Site

Links

Portfolio
GitHub
GitLab

Courses

Full-Stack Python developer at Skill-Factory
02/2018—02/2019

Skills

TypeScript (React / Angular)	5/5
Node (Nest / Express)	4/5
Python (Fast API / Flask / Django)	4/5
Git (GitHub / GitLab / BitBucket)	5/5
DevOps (Docker / Nginx / CI & CD)	4/5
Cloud (AWS / Azure)	5/5
Team Management	4/5

Angular Front-End developer / Team Lead at Workpack AI

`06/2022—Present`

About project: AI web tool for architects to perform takeoffs much faster. The project can be described as AutoCAD in browser with automatic AI detection of measures and different abilities for summaries/exports across document.

My role: Lead of the Front-End team. I took part in development since the project start and introduced a lot of core features from Front-End side. Some of interesting tasks were geometry shapes editor, AI inference on UI, performance and memory optimizations for heavy documents.

Technologies:

- Angular
- PDFTron
- OpenCV / ONNX Runtime
- Azure App Insights
- Azure DevOps

Links:

- Official Web Site

Node, AWS cloud developer / Tech Lead at AI Diagnostics

`03/2021—03/2022`

About project: Medical project for AI analysis of data collected from stethoscopes. Our team developed desktop application with auto-update functional and cloud synchronization. System allows to securely access and share information collected at different hospitals.

My role: AWS cloud infrastructure, Back-End for storing and synchronization of incoming data.

Technologies:

- Nest
- PostreSQL
- AWS (Amplify / Cognito / S3 / Lambda / CloudWatch)

React, Node Full-Stack developer at Firststep AI

`08/2020—02/2023`

About project: No code platform for training of AI models (Object Classification, Object Detection and Object Segmentation). Web system allows user to upload dataset, choose base model, set augmentation list and other additional configuration. After training each model can be tested and downloaded as an Android application or as a RAW file.

My role: Layout of core system pages, dataset upload and AI model training logic, authentication system, subscriptions system, E2E debugging, AI team support, setting up some parts of cloud infrastructure on AWS.

Technologies:

- React
- Express

- PostgreSQL
- AWS (Amplify / Cognito / S3 / Lambda / RDS / EC2 / SES / CloudWatch)

Links:

- Official Web Site

React Front-End developer at Integral Commodities SA

09/2019—08/2020

About project: Commercial web site for exporters company of Polymers, Fertilizers & Sulfur. The task was to realize the interface for a convenient search for goods and prices for further ordering.

My role: User interface, communications with Back-End team, interactive maps, dynamic layout and load optimizations.

Technologies:

- Next
- Google Maps
- Docker / Nginx / Jenkins CI

Links:

- Official Web Site

Python Full-Stack developer at Institute of Biology

02/2019—01/2020

About project: Site for the Novosibirsk Institute of Biology. The task was to create a service for many users with functionality of creating, editing, validating and analysis researches and experiments.

My role: Tasks during the development included everything - Front-End, Back-End and DevOps as well. I was working as a Full-Stack developer and took part in all parts of root functional of the project.

Technologies:

- Django
- JavaScript
- Plotly
- SQLite
- Docker / Nginx

Links:

- Official Web Site