

# Oleksii Palii

## Senior Senior JavaScript (Node.js, React.js) Developer

### SUMMARY

- Engineer with 5+ years of experience specializing in JavaScript (Node.js, React.js) and TypeScript, delivering scalable backend services and responsive frontend applications.
- Proficient in modern frameworks and tools including Nest.js, Express, Next.js, GraphQL, Docker, AWS (Lambda, Step Functions, SQS), and CI/CD pipelines.
- Strong expertise in database management with PostgreSQL, MongoDB, DynamoDB, and Redis, implementing event-driven architectures and microservices.
- Demonstrated ability to optimize performance, enhance security (AWS Secrets Manager), and integrate complex third-party APIs across diverse domains such as sports streaming, finance, task management, and fitness platforms.
- Advanced academic background in Software Engineering and Cybersecurity, with ongoing PhD studies, underpinning a solid foundation in software development lifecycle, best practices, and engineering principles.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	JavaScript (5 yr.), Node.js (5 yr.), React (5 yr.), TypeScript (5 yr.)
<b>Programming Languages</b>	JavaScript (5 yr.), TypeScript (5 yr.)
<b>JavaScript Frameworks</b>	Express (5 yr.), Ext JS (4 yr.), NestJS (5 yr.), Node.js (5 yr.), React (5 yr.)
<b>JavaScript Libraries and Tools</b>	Immutable.js (1 yr.), Mobx (3 yr.), Mongoose (3 yr.), React Router (4 yr.), Redux (4 yr.), Redux-Saga (4 yr.)
<b>AI &amp; Machine Learning</b>	OpenAI (2 yr.)
<b>Security</b>	Auth0 (3 yr.)
<b>Databases &amp; Management Systems / ORM</b>	AWS DynamoDB (2 yr.), MongoDB (3 yr.), MySQL (3 yr.), PostgreSQL (4 yr.), Redis (3 yr.), Snowflake (1 yr.)
<b>UI Frameworks, Libraries, and Browsers</b>	Ant Design (1 yr.), Material UI (2 yr.), Socket.io (4 yr.), Tailwind CSS (3 yr.)
<b>Cloud Platforms, Services &amp; Computing</b>	AWS (2 yr.)
<b>Amazon Web Services</b>	AWS DynamoDB (2 yr.)
<b>Deployment, CI/CD &amp; Administration</b>	Axios (5 yr.), CI/CD (5 yr.)
<b>Virtualization, Containers and Orchestration</b>	Docker (5 yr.), Terraform (2 yr.)



<b>Version Control</b>	Git (5 yr.)
<b>SDK / API and Integrations</b>	Google API (3 yr.), Google Maps API (1 yr.), GraphQL (1 yr.), RESTful API (5 yr.), Stripe (2 yr.), Twilio API (1 yr.)
<b>QA, Test Automation, Security</b>	Jest (1 yr.)
<b>Methodologies, Paradigms and Patterns</b>	microservices architecture (2 yr.)
<b>Logging and Monitoring</b>	Sentry (2 yr.)
<b>Mail / Network Protocols / Data transfer</b>	WebRTC (1 yr.), WebSockets (4 yr.)
<b>Other Technical Skills</b>	NX (1 yr.)

## WORK EXPERIENCE

### JavaScript (Node.js, React.js) developer - Company 1 (Sports streaming and entertainment platform)

**Duration:** 06/2022-06/2024

**Summary:** Leading global sports streaming service that offers live and on-demand sports content, providing a comprehensive and convenient way for sports enthusiasts to enjoy their favorite sports without traditional broadcast limitations.

**Responsibilities:**

- Developing scalable and highly resilient backend services to manage the subscription lifecycle process using Node.js and TypeScript in AWS cloud environment.
- Building robust backend solutions and conducting unit and integration tests.
- Improving service monitoring by adding logging, metrics, and alerts using New Relic and AWS CloudWatch.
- Collaborating with a multinational team including software engineers, architects, and specialists to deliver a compelling user experience.
- Enhancing security posture and streamlining operations with AWS Secrets Manager integration.
- Optimizing performance and reducing infrastructure costs through ARM64 architecture migration.

**Technologies:** Node.js, Nest.js, TypeScript, Express, Fastify, PostgreSQL, DynamoDB, Docker, CI/CD, Terraform, AWS, Event-driven architecture, NewRelic, OpenTelemetry

### JavaScript (Node.js, React.js) developer - Company 1 (Platform for streamlining table operations)

**Duration:** 05/2021-06/2022

**Summary:** Map Finance (Emergent Layer) is a startup offering an automated platform for streamlining table operations, enabling integration with various data sources and allowing users to create reusable workflows with Python scripts, AI-generated scripts, or Excel functions.

**Responsibilities:**

- Developing and maintaining both frontend and backend applications.
- Managing databases and creating new endpoints, services, and UI elements.
- Designing and implementing application architecture and business logic.



- Integrating with third-party APIs for accounting, AI, CRM, HRIS, and ERP systems.
- Coordinating with technical support to configure and set up accounts for comprehensive service integration.
- Optimizing code through refactoring, reviewing, and applying design patterns.
- Conducting code reviews and providing team support.

**Technologies:** Node.js, Nest.js, Redis, PostgreSQL, Stripe, Snowflake, WebSockets, Merge.dev API, Bull, Sentry, Google APIs, OpenAI, Docker, TypeScript, Next.js, MobX, React-Query, Auth0, CodeMirror, Handsontable, Stripe, Axios, Ant Design, Tailwind CSS, XLSX

### **JavaScript (Node.js, React.js) developer - Company 1 (Unified Task Management Platform)**

**Duration:** 03/2020-05/2021

**Summary:** An innovative startup platform for unified task and project management, integrating with tools like Trello, Asana, Jira, Slack, and Google Calendar, allowing users to create custom workflows and collaborate efficiently.

**Responsibilities:**

- Developing and maintaining frontend and backend applications.
- Managing databases and creating new endpoints, services, and UI elements.
- Designing and implementing application architecture and business logic.
- Integrating with third-party APIs for project management, communication, and scheduling.
- Coordinating with technical support for account configuration and service integration.
- Optimizing code through refactoring, reviewing, and applying design patterns.
- Conducting code reviews and supporting the team.

**Technologies:** Node.js, Express.js, MongoDB, PostgreSQL, Redis, WebSockets, Google APIs, Docker, TypeScript, Next.js, Redux, React-Query, Auth0, Axios, Material-UI, Tailwind CSS, XLSX

### **JavaScript (Node.js, React.js) developer - Company 1 (Virtual Fitness Platform)**

**Duration:** 07/2019-03/2020

**Summary:** A pioneering startup virtual fitness platform connecting fitness enthusiasts and trainers for virtual workout sessions, integrating data from fitness trackers, health apps, diet plans, and performance analytics.

**Responsibilities:**

- Developing and maintaining frontend components using React.js for a responsive user interface.
- Implementing backend services with Node.js and Express.js to manage user data, workouts, and scheduling.
- Designing and deploying MongoDB databases for user profiles, workout plans, and performance metrics.
- Integrating third-party APIs such as fitness trackers, nutrition apps, and social media platforms.
- Collaborating with fitness experts and UX/UI designers to enhance user experience.
- Optimizing codebase through refactoring and performance tuning.
- Conducting code reviews and providing feedback to ensure code quality.
- Supporting technical support teams in user account configuration and issue resolution.

**Technologies:** Node.js, Express.js, MongoDB, Firebase, AWS S3, Stripe API, Twilio API, WebRTC, Socket.io, GraphQL, React.js, Redux, Material-UI, Styled Components, Axios, JWT authentication, Jest, CircleCI, Docker



## EDUCATION

- **Master's degree VN Technical University Cybersecurity**  
taught in English/Ukrainian  
full-time
- **PhD VN Technical University Software Engineering**  
full-time, taught in English/Ukrainian  
2024 - 2028

