

Alexandr B.

Senior Senior Full Stack Engineer (Node.js / TypeScript/ Vue.js)

SUMMARY

- Senior Full Stack Engineer with 12+ years of experience, including 8+ years with Node.js, TypeScript, and Vue.js (Tailwind CSS)
- Specialized in microservices (NestJS), event-driven systems (Kafka, RabbitMQ), and configurable enterprise SaaS platforms
- Ensured production reliability with on-call support for high-load systems
- Skilled AWS (Lambda, VPC), Terraform, Docker, CI/CD expertise
- Experience in enterprise (healthcare) and startups (Y Combinator-level, Sixa)
- Focused on AI-driven SaaS, open to long-term collaboration; builds trading bots

TECHNICAL SKILLS

Main Technical Skills	Node.js, TypeScript, NestJS, Vue.js
Programming Languages	JavaScript, PHP, TypeScript
JavaScript Frameworks	Angular, Express, NestJS, Node.js, Vue.js
JavaScript Libraries and Tools	ES6
Data Analysis and Visualization Technologies	ETL
Security	IAM
Databases & Management Systems / ORM	AWS DynamoDB, AWS ElasticSearch, Elasticsearch, MongoDB, MySQL, Redis
UI Frameworks, Libraries, and Browsers	Socket.io
Cloud Platforms, Services & Computing	AWS
Amazon Web Services	AWS CloudWatch, AWS DynamoDB, AWS EC2, AWS ElasticSearch, AWS S3, AWS VPC
Industry Domain Experience	SAAS
SDK / API and Integrations	API, RESTful API
	CI/CD, Jenkins



Deployment, CI/CD & Administration	
Virtualization, Containers and Orchestration	Docker, Terraform
Version Control	Github Actions
Methodologies, Paradigms and Patterns	IaC, microservices, REST
Platforms	IOT
Message/Queue/Task Brokers	Kafka, RabbitMQ
Web/App Servers, Middleware	SPA
Mail / Network Protocols / Data transfer	WebSockets

WORK EXPERIENCE

Senior Backend Engineer, HumanCareSystems/CareMetx (Healthcare SaaS Platform)

Duration: Dec. 2019 - Present

Summary: A healthcare services company providing patient support and access programs. It manages benefits verification, reimbursement processes, and patient assistance workflows. The platform supports coordination between patients, providers, and payers.

Responsibilities:

- **Microservices Architecture:** Architected and maintained a scalable ecosystem of microservices using NestJS and TypeScript, ensuring modularity and maintainability.
- **Event-Driven Integration:** Designed asynchronous data pipelines using Kafka to integrate internal services with external providers, replacing tight coupling with resilient messaging protocols.
- **Infrastructure as Code (IaC):** Managed AWS infrastructure (Compute, Storage, Networking/VPC) using Terraform, reducing manual deployment errors.
- **System Reliability:** Engineered advanced stability patterns including idempotency keys, exponential backoff strategies for retries, and comprehensive error handling.
- **Observability:** Implemented structured logging and monitoring (CloudWatch/ELK) to decrease Mean Time to Recovery (MTTR).

Technologies: Node.js, NestJS, Kafka, AWS (EC2, S3, VPC, IAM, CloudWatch), Terraform, MongoDB, DynamoDB, Redis, and Elasticsearch.

Senior Full Stack JavaScript Engineer, Sixa (Cloud Computing Platform and Infrastructure Management)

Duration: Sep. 2016 - Dec. 2019

Summary: A technology company providing cloud-based virtual computing environments. It enables users to access remote desktops and run applications on high-performance infrastructure. The platform supports development, data processing, and resource-intensive workloads.

Responsibilities:

- Developed backend services and the primary API for cloud resource allocation.
- Optimized Elasticsearch implementation to handle complex search queries across large datasets with low latency.
- Built and maintained Single Page Applications (SPA) using Vue.js for the admin control panel.
- Integrated backend microservices with AWS APIs for automated instance provisioning.

Technologies: Node.js, MySQL, Elasticsearch, Vue.js, MongoDB, Microservices, AWS ES6.

Full Stack Engineer, Ezlo (Real-time Smart Home Control Panels)

Duration: Apr. 2016 - Dec. 2016

Summary: A technology company developing smart home and IoT platforms. It provides systems for device connectivity, automation, and remote control. The platform supports integration and management of connected home devices.

Responsibilities:

- Developed real-time control panel features using WebSockets and Node.js for live device state updates.
- Built backend logic for handling IoT device communication and state synchronization.
- Implemented frontend components in Vue.js for responsive and reactive UI behavior.
- Worked with event-driven patterns to manage real-time interactions between clients and devices.

Technologies: Node.js, WebSockets, ES6, Vue.js IoT.

Backend Engineer, MYCO (Business Social Network APIs and Real-time Components)

Duration: Nov. 2014 - Apr. 2016

Summary: A digital platform providing content streaming and user engagement features. It supports video distribution, user interaction, and monetization tools. The system operates as a web and mobile-based media service.

Responsibilities:

- Designed and implemented RESTful APIs for core platform functionality.
- Developed real-time features using Socket.io (e.g., notifications, live interactions).
- Used Redis for caching and basic pub/sub to support real-time updates.
- Worked with MongoDB and Elasticsearch for data storage and search functionality.

Technologies: Node.js, Socket.io, Redis, Mongodb, elasticsearch, REST.

Backend Engineer, Scout (High-load Survey Platforms and Analytics Systems)

Duration: May 2010 - Jun. 2015

Summary: A software platform providing data monitoring and analytics tools. It supports tracking, reporting, and analysis of system or business metrics. The solution enables data-driven decision-making and performance monitoring.

Responsibilities:

- Maintained and extended backend systems using PHP and Node.js.
- Implemented business logic for survey processing and analytics features.
- Worked with databases to store and retrieve survey and reporting data.
- Contributed to performance improvements and general system stability.

Technologies: PHP, Node.js.

EDUCATION

- **Master's degree in Software Engineering**
Odessa State Polytechnic University
2002 - 2007