
Viacheslav Salenko

Software Developer

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SUMMARY

I am a highly skilled and versatile software developer with a strong proficiency in modern web development and backend technologies. With experience spanning across multiple programming languages and frameworks, I specialize in building scalable, high-performance web applications. I have expertise in both frontend and backend development, leveraging tools such as React, Next.js, Node.js, and Python to deliver end-to-end solutions.

On the frontend, I excel at creating responsive, user-friendly interfaces with **React** and **Next.js**, employing the latest techniques in state management, routing, and performance optimization. I am also proficient in visualizing complex data using **Three.js** and **D3.js**, creating dynamic 3D graphics and interactive data visualizations that engage users.

For backend systems, I have a solid foundation in **Node.js** and **Python**, utilizing them to build robust RESTful APIs, integrate with third-party services, and manage data flow. I also have extensive experience in **Go** for building highly efficient microservices and concurrent applications.

When it comes to data storage and management, I am comfortable with both relational (e.g., **MySQL**) and NoSQL (e.g., **MongoDB**) databases, optimizing data models and queries for performance and scalability. I am proficient in deploying and managing applications in cloud environments, particularly **AWS**, ensuring high availability, security, and cost efficiency. I also have experience configuring and maintaining Linux-based servers for development, staging, and production environments.

With a deep understanding of full-stack development, cloud technologies, and system architecture, I am committed to building innovative solutions that meet business needs while ensuring smooth performance, scalability, and maintainability.

SKILLS

✓ **Front-End:** JavaScript, TypeScript, React, Next, D3.js, Three.js

✓ **Back-End:** Express.js, Node.js, Go, Python, MySQL, MongoDB

✓ **Cloud & Hosting:** Linux, AWS, Github, Server, Nginx, VPN

EXPERIENCE

Sunshine Bornholm ApS, Denmark- *Full-Stack Developer*

Feb 2021 - May 2024

Skills and Responsibilities:

- **Frontend Development:** Built dynamic, interactive web applications using **React** and **Next.js**, employing advanced features like **React Hooks**, **Context API**, and **Server-Side Rendering (SSR)** with **Next.js** to improve SEO and load performance.
- **API Development:** Developed and maintained robust RESTful APIs with **Node.js** and **Express**, following best practices for modularity, scalability, and security (JWT authentication, rate limiting).
- **Database Management:** Integrated **MongoDB** for flexible, document-based storage and optimized query performance using **aggregation pipelines** and **indexing**.
- **Real-time Communication:** Implemented **WebSocket** for real-time bidirectional communication in applications like chat systems and live notifications.
- **Cloud Infrastructure:** Managed cloud resources with **AWS**, including setting up **EC2 instances**, configuring **S3** for static assets, and **RDS** for managed relational databases.
- **Continuous Integration/Continuous Deployment (CI/CD):** Set up automated build, test, and deployment pipelines using **GitLab CI** and **Docker**, ensuring smooth integration from development to production.

Special Skills:

- Proficient in **React state management** (e.g., **Redux**, **Context API**), ensuring complex state logic is cleanly handled.
- Expertise in **AWS architecture** (EC2, S3, Lambda, RDS) for cloud-native solutions.
- Advanced knowledge of **Docker** and **CI/CD pipelines** to streamline development and deployment processes.

SoftServe, Remote- *Backend Developer*

June 2018 - Jan 2021

Skills and Responsibilities:

- **API Development:** Designed and built scalable, secure **RESTful APIs** using **Node.js**, **Express**, and **Python**. Ensured API security with **JWT** authentication and **OAuth2** integration, implementing best practices for RESTful principles and versioning.
- **Microservices Architecture:** Developed high-performance microservices using **Go** for concurrency and parallelism, optimizing data processing and communication efficiency with **gRPC**.
- **Database Management:** Designed **MySQL** relational database schemas and used **MongoDB** for flexible document storage. Applied **data normalization** and **indexed queries** to enhance performance.

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- **Cloud and DevOps:** Orchestrated backend infrastructure on **AWS** by configuring **Lambda** for serverless applications, **API Gateway** for RESTful routing, and **RDS** for scalable database solutions. Utilized **Elastic Beanstalk** for managing deployment of web applications and microservices.
 - **Containerization:** Dockerized services and managed them with **Kubernetes**, enabling scalable deployments and ensuring high availability in production environments.
 - **Server Management:** Configured and maintained **Linux-based** servers (Ubuntu, CentOS) for hosting backend services and handling CI/CD workflows, ensuring security through firewalls and **SSL**.

Special Skills:

- In-depth expertise in building **microservices architectures** with **Go**, focusing on scalability and concurrency.
- Advanced experience with **AWS Lambda**, **RDS**, **API Gateway**, and **Elastic Beanstalk** for serverless and managed backend solutions.
- Proficient in **Redis caching** to improve system performance and decrease load times for high-demand applications.

Zendesk, Remote- *Data Visualization Engineer*

Sep 2014 - Aug 2018

Skills and Responsibilities:

- **Data Visualization:** Built complex data visualizations using **Three.js** for 3D graphics and **D3.js** for interactive 2D data visualizations, enabling users to explore large datasets and perform analytics in a visual interface.
- **Frontend Development:** Developed interactive web dashboards using **React** and **Next.js**, integrating real-time data feeds and interactive charts to provide users with data-driven insights in a responsive design.
- **Backend Integration:** Developed backend APIs with **Node.js** to serve data to the frontend, ensuring efficient data flow and API security (using token-based authentication).
- **Data Handling:** Managed and optimized data pipelines, transforming raw data into actionable insights using **ETL** processes and integrating various third-party APIs for real-time data updates.

Special Skills:

- Expertise in **Three.js** for creating interactive, 3D data visualizations and **D3.js** for detailed, custom charting and data representation.
- Advanced experience with **AWS EC2** for cloud infrastructure management, ensuring scalability and performance for large datasets.
- Proficient in **data integration** and visualization using JavaScript frameworks, with a strong focus on interactive and real-time user experiences.

EDUCATION

Kyiv Polytechnic Institute, Kyiv- *Bachelor's in Computer Science*

Sep 2009 - Sep 2013

I hold a Bachelor's degree in Computer Science, where I gained a strong foundation in software development, algorithms, and data structures. During my studies, I focused on areas such as programming, web development, and database management, preparing me for a career in tech.

PROJECTS

<https://talengo-jobs.com>

<https://oor3d-front.vercel.app>

<https://alireza.com>

<https://kiwi.mrcoders.org/>

<https://www.ai-captures.com/>

<https://setterflow-bland.vercel.app/>

<https://www.transip.nl/>