Full-stack Engineer

SUMMARY: Full-Stack Engineer with 5 years of professional experience building high-load, data-driven, and business-critical applications using Node.js, TypeScript, React, Nuxt, PostgreSQL, MongoDB, Redis, RabbitMQ and modern cloud/devops tools.

Strong background in:

- **Backend architecture** (REST APIs, microservices, queues, caching, cron services)
- **Frontend architecture** (Complex implementation of business-critical frontend logic, dynamic state-driven UI flows, and highly interactive components, dynamic forms, dashboards, admin panels)
- **High-performance data processing** (Redis, cron workers, pipelines, analytics)
- **Team leadership** and cross-department communication
- **Clean code, TDD, E2E testing**, system design, and scalable API patterns

I bring a **balanced full-stack skillset**, ability to work autonomously, strong system thinking, and experience delivering complex features end-to-end in demanding environments

Domains

1. **Blockchain/Crypto** - 1 year
2. **IGaming** - 3 years
3. **Healthcare/MedTech** - 1 year
4. **Advertising/Marketing** - 1 year

TECHNICAL SKILLS:

AI / Generative AI (Practical Usage & System-Level Understanding)

- Daily practical use of Generative AI tools to improve development productivity, code quality, debugging, and system design

- Hands-on usage of LLM platforms and APIs: Claude (Anthropic), Google Gemini, Amazon Bedrock

- Experience using Claude MCP (Model Context Protocol) and similar context-management approaches for structured prompt inputs, tool usage, and multi-step task execution

- Strong understanding of LLM fundamentals: context windows, token limits, temperature, hallucinations, cost and latency trade-offs

- Knowledge of RAG architectures: document ingestion pipelines, embeddings, vector databases, retrieval strategies, and orchestration flows

- Practical understanding of agentic AI concepts: tool calling, task decomposition, multi-step workflows, and agent orchestration patterns

- Active use of AI-assisted workflows for:

  - code generation and refactoring

- ○ debugging and root-cause analysis

- ○ architecture exploration and validation

- ○ SQL/query optimization

- ○ documentation and technical writing

- Awareness of AI system constraints: security, data privacy, prompt safety, cost control, observability, and reliability

- Actively developing skills in **applying AI as a component inside real-world systems**, rather than training or fine-tuning models

Frontend:

- React/Vue, Next/Nuxt, React Query, Redux Toolkit, Zustand, Ant Design, Chart.js, TypeScript, Axios, SCSS, Responsive UI, Form Builders, React Beautiful DnD, PWA,WebSockets, Iframe Actions

Backend:

- Node.js, TypeScript, Express.js, Nest/Express/Koa, REST APIs, Microservices, Cron jobs, Payment integrations, Game integrations, RabbitMQ, Redis, JWT, WebSockets, Caching, File processing

Databases:

- PostgreSQL, MySQL, MongoDB, Mongoose, Sequelize, Prisma basics. Query optimization & performance tuning (EXPLAIN/ANALYZE), index design, reducing slow queries, caching strategies (Redis), data-model refactoring for high-load systems,

DevOps & Tools:

- Docker, Linux, GitLab CI/CD, GitHub Actions, ArgoCD, Nginx, Load testing, Observability.

Testing:

- Vitest, Jest, Testing Library, Mocha, Chai, E2E testing, mocking/spies, TDD practices.

Git: bitbucket, github, gitlab
OS: Linux, Windows, MacOS
Methodologies: Agile, Lean, Scrum
Other:Agile, Jira, Trello

SOFT SKILLS:

- Strong ownership and responsibility for end-to-end feature delivery

- Clear and structured communication across technical and non-technical teams

- Problem-solving mindset with attention to detail and proactive improvements

- Ability to work calmly under pressure, tight deadlines, and production incidents

- Fast learning and adaptability to new technologies, stacks, and legacy systems

- Collaborative team player with mentoring experience and constructive code reviews

- Systematic, analytical thinking and reliable decision-making

PROFESSIONAL EXPERIENCE:
FavbetTech:
Role:Full-Stack JavaScript Engineer
Developer May 2023 - Present
ADDDEV:
Role:Full-Stack JavaScript Engineer
Developer Jan 2021 - May 2023
CubeX-Ukraine (Contract):
Role: Full-Stack JavaScript Engineer
Developer April 2022 – Jul 2022
WaveOS (Contract):
Role: Full-Stack JavaScript Engineer
Developer Jul 2022 – Oct 2022
Freelance (Contracts):
Role: Full-Stack JavaScript Engineer
Developer Sep 2018 – 2021 Jan

QA internship:
Role: QA specialist
September 2018 – February 2019

EDUCATION:
01/09/2017 – 20/05/2021 **ZSLT Kluczbork** – Poland http://zslt.klucznet.pl/
Field(s) of study: *Computer science*
01/12/2021 – 01/12/2023 – **Polish-Japanese Academy of IT (PJATK) -**
Poland, Warsaw- https://pja.edu.pl/en/ - **Field(s) of study:** *Computer science*
(online)

LANGUAGE:

English–Advanced
Polish-Advanced
Ukrainian–native
Russian-native

PROJECTS:

Project Description: Development of multiple high-load casino and sportsbook modules powering international iGaming platforms. The systems handle real-money bets, user segmentation, bonuses, payments, responsible gambling, and complex administrative operations. The goal was to improve platform performance, stability, and provide advanced tools for operations, CRM, accounting, and risk management teams.

Responsibilities:

- Built and optimized **Games API** reducing load times by up to 80%. with full **game provider integrations** including category mapping, launch URLs, demo/real modes, and session validation.
- Integrated **multiple payment providers**, implemented multi-wallet operations, transaction verification, chargeback handling, AML-friendly logging, and safe concurrency for deposit/withdrawal flows.
- Engineered a **rule-based bonus system** (free spins, reload bonuses, manual bonuses) with strict validation, fraud-protection flows, and detailed audit trails.
- Designed and implemented a **segmentation engine** with complex AND/OR logic, high-speed user counting, bulk operations, and CSV export pipelines.
- Developed a **responsible gambling module**: deposit/loss limits, reality checks, self-exclusion workflows, and partial TTL indexes for regulatory-compliant data retention.
- Integrated **multiple payment providers**, built multi-wallet logic, handled currency conversions, and ensured transactional integrity under high concurrency.
- Created **reporting and analytics services** (cron-driven), producing daily/weekly/monthly snapshots for GGR/NGR, bet volumes, deposits/withdrawals, and provider performance.
- Built **React/Ant Design admin panels** featuring dynamic forms, configuration interfaces, dashboards, editable tables, permissions management, charts, and multi-step workflows.
- Contributed to **Vue/Nuxt user-facing modules** including account sections, transactional flows, bonus displays, and dynamic content logic.
- Improved database performance through **EXPLAIN/ANALYZE profiling**, index tuning, aggregation refactoring, and Redis caching strategies for high-load endpoints.
- Developed and maintained **microservices** with RabbitMQ for notifications, tournaments, jackpot progression, segmentation tasks, and async processing.
- Implemented a robust **notification delivery system** integrating Email/SMS providers with queue prioritization, throttling, retries, and segmentation targeting.
- Wrote **unit and integration tests** for transaction logic, gaming sessions, bonus rules, and segmentation filters.
- Improved reliability of **CI/CD pipelines** (Docker, GitLab CI, ArgoCD troubleshooting) and optimized application configuration and environment handling.
- **Mentored junior developers**: conducted PR reviews, led architecture discussions, explained complex flows, and supported their growth toward mid-level roles.

Technologies:
Node.js, TypeScript, Vue.js, Nuxt, React, Ant Design, PostgreSQL, MySQL, MongoDB (aggregations, TTL), Redis, RabbitMQ, Express.js, Docker, GitLab CI/CD, Cron Workers, Axios, JWT, Chart.js, Linux, Jira

Project Description: Panel for display statistics in advertising companies. The solution comes to solve the daily basis work of the campaign manager and his managers.

Responsibilities:
- Implementation of Ag-Grid table, with a lot of customs cells, columns, aggregations, table editing and etc.;
- Creating custom service worker for fetch data in background and store it in the indexedDB, also for checking updates on the server and sends messages to app for table updates;
- Creating custom form for columns manipulating like pinning, change visibility, change position and etc.;
- Writing unit tests;
- Creating a lot of different user interfaces like forms, cards, modals, tabs, calendars and etc.;
- Creating functional for changing the graphic theme in the application.
- User management system with permissions;
- Room management;
- Calendar implementation with custom features;
- Google map implementation with custom functionality;
- Google PlaceId;
- Lazy loading modules.
- User management system with permissions;
- Staff management;
- Customer management;
- Dashboard with appointments and statistics;
- Calendar with a grid of staff, filtering by day, weekend, month and with drag and drop functionality;

Appointments management.

Technologies: React.js, Node.js, JavaScript, Element Ui, Google API, Mock, HTML5, SCSS, Jira, GitLab, PWA and Service Worker, indexedDB, Axios, Jira, Bitbucket.

Project Description: Social network for photographers. The project is a complicated MERN stack system which has lots of integrations and complicated logic for data calculation. I was leading a team of 3 developers and was working on the both backend and frontend parts. The

client-side was done with React.js. The server-side was done with Nodejs, Express framework and MongoDB as database.

Responsibilities:

- User management system with permissions;
- Challenge management (user can take part in the challenges);
- User voting for a photo;
- Following and followers functionality;
- Searching users;
- User notification;
- System of rewards and user levels;
- Email notifications;
- Uploading photos;
- Lazy loading modules;
- Using Canvas;
- Custom admin panel;
- Angular Material on admin panel.

Technologies: React.js, TypeScript, Node.js for backend, Material UI, AWS S3, MongoDB, Express, Canvas, HTML5, CSS3, Trello, GIT, Heroku.

Project Description: It was done to sell programming courses. I was leading a team of 2 developers and was working on the both backend and frontend parts. The client-side was done with Javascript and Handlebars. The server-side was done with Nodejs, Express framework and MongoDB as database.

Responsibilities:

- User management system with permissions;
- Custom admin panel;
- Google API integration (documents, maps, storage);
- Email notification;
- Integration with CRM system;
- Integration with SMS system;
- Integration with MailChimp;
- Integration payment system (LiqPay);
- Server side caching;

Technologies: JavaScript, jQuery, Node.js for backend, Handlebars, MongoDB, Express, Google API, HTML5, CSS3, Trello, GIT, Heroku, LiqPay (payment system), Foundation for emails framework, MailChimp.

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