**VOLODYMYR SHCHERBYNA - LEAD SOFTWARE ENGINEER**

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**SUMMARY:**

25 years of successful development and management experience in multi-skilled teams up to 25 members.

**SKILLS:**

* .NET Technologies: Visual Studio: Visual Studio Code;
* Advanced Technology: Algorithms;
* Advanced Technology: Engineering Maturity: Cross-stack Engineering, Hands-on in Software Engineering, Technology Learner;
* Advanced Technology: Software Engineering Practices (EngX Practices): Version Control Principles;
* CDN Platforms: CloudFlare;
* CNCF: CNCF Scheduling & Orchestration: Kubernetes;
* Cloud: Test Levels: Unit Testing;
* Cloud Platforms: AWS.Security, Identity & Compliance: AWS Certificate Manager;
* Cloud Platforms: SDK: AWS Cloud Development Kit;
* Cloud Platforms: AWS.Database: Amazon RDS, ElastiCache;
* Cloud Platforms: AWS.Storage: Amazon S3;
* Cloud Platforms: AWS.Networking & Content Delivery: Amazon VPC;
* Cloud Platforms: GCP Management Tools: Cloud Console;
* Cloud Platforms: GCP Databases: Cloud Memorystore;
* Cloud Platforms: Cloud SQL: Cloud SQL for PostgreSQL;
* Cloud Platforms: AWS.Management & Governance: CloudFormation;
* Cloud Platforms: AWS.Developer Tools: CodeBuild, CodePipeline, CodeStar;
* Cloud Platforms: AWS.Compute: EC2, Elastic Beanstalk, Lambda;
* Cloud Platforms: AWS.Media Services: Elastic Transcoder;
* Cloud Platforms: GCP Compute: Google App Engine;
* Cloud Platforms: GCP Operations: Google Cloud Logging;
* Cloud Platforms: GCP Storage: Google Cloud Storage;
* Consulting Skills: Innovativeness: Enthusiasm for new technologies;
* Consulting Skills: Technical consulting;
* Continuous Integration & Delivery tools: Circle CI, Gitlab CI, Jenkins, TeamCity;
* Databases: NoSQL Databases: Couchbase, MongoDB, Riak;
* Databases: SQL Databases: MySQL;
* Databases: Key-Value: Redis;
* Design Tools: Figma, GIMP, InVision, Inkscape, Zeplin;
* Design Tools: Graphic Editors: Photo Editors;
* Digital Engagement: CSS Methodologies: BEM Methodology;
* Digital Engagement: Front-End Development: CSS Fundamentals, Frontend Performance;
* Digital Engagement: DE/DSED.Design: Embedded Systems Design;
* Digital Marketing Systems: Customer Identity and Access Management: Auth0;
* Digital Marketing Systems: Content Platforms: Confluence;
* E-Commerce Platforms: Shopify Platform;
* Embedded Systems: Interfaces: CAN, I2C/SMBus, RS-232, RS-485;
* Energy & Resources: Electricity System Operation: System Controlling;
* Erlang: Technologies: Erlang;
* Financial Services: Algorithmic, E-, and Other Trading: Algorithmic trading;
* Financial Services: Investment, Trading & Securitization: Cryptocurrency, Financial instruments data modeling;
* Financial Services: Financial Market: Data Warehouse and Analytics, FX Market;
* Financial Services: Interest Rates (fixed income instruments including bonds, term money and others): Eurobonds, Government Bonds, U.S. Treasury Bills;
* Financial Services: Foreign Exchange (FOREX): FX Futures, FX Options, Spot FX;
* Financial Services: Financial Markets Instruments: Futures;
* Financial Services: Financial Instrument Management: Origination, Pricing, Rates: Libor Rates;
* Formal Sciences: Base IT knowledge: Algorithms & Data structures, Cluster computing & Multithreading, General programming concepts, Networks, System Administration, XML;
* Formal Sciences: Computational Intelligence: Asynchronous programming and multithreading;
* Formal Sciences: Civil Engineering: Civil engineering systems, Materials science and engineering;
* Formal Sciences: Software Architectural Patterns: Command Query Responsibility Segregation (CQRS), Domain Specific Languages, Event Sourcing, Microservice Architecture Pattern, Service Oriented Architecture (SOA);
* Formal Sciences: Programming Paradigms: Concurrent Computing, Reactive Programming;
* Formal Sciences: Design patterns: Dependency injection, General Responsibility Assignment Software Patterns (GRASP), Structured Logging;
* Formal Sciences: Computer Sciences: Design patterns;
* Formal Sciences: Declarative Programming: Functional Programming;
* Formal Sciences: Electronic Components: Microcontroller;
* Formal Sciences: System level design: Model-Based Systems Engineering;
* Formal Sciences: Structured Programming: Object-oriented Programming;
* Formal Sciences: Design Principles: SOLID (object-oriented design principles);
* GraphQL: Technologies: GraphQL;
* HTML: Technologies: HTML;
* Humanities: English: English Speaking, English Writing;
* Humanities: Spoken Languages: Russian, Ukrainian;
* Industrial: Industrial Products & Construction: Industrial Goods and Services;
* Infrastructure Management Tools: Terraform;
* Integrated Development Environments: Sublime Text;
* Integration Platforms: Message Bus: RabbitMQ;
* Integration Platforms: API Management Tools: Swagger;
* Intelligent Enterprise: Time Series: Time Series Analysis;
* Internet Technologies: AJAX, CORS, Django, VRML, WebSockets, XML/XSL/XSLT, YAML, nginx;
* JWT: Technologies: JWT;
* Java Platform: Android Studio;
* Java Platform: Java Utilities: Apache Commons;
* Java Platform: Java Build Tools: Apache Maven, Gradle;
* Java Platform: Java IDEs: Eclipse, NetBeans;
* Java Platform: Java Desktop and Rich Internet Applications: Java Swing;
* Java Platform: Java Debugging & Troubleshooting Tools: VisualVM;
* Java Platform: Java Logging Tools: slf4j;
* Java Programming Languages: Java: Java 8;
* Leadership: Driving Change and Innovation: Creativity;
* Management: Delivery Management: Communication and interaction with Customer;
* Markdown: Technologies: Markdown;
* Microsoft 365: Microsoft Office: Microsoft Excel, Microsoft Word;
* Natural Sciences: Physics: Ferrous Metallurgy;
* Network Tools: Email Delivery Tools: SendGrid;
* Network Tools: Traffic sniffing tools: Wireshark;
* Network technologies and services: Network protocols: DeviceNET, SNMP;
* Network technologies and services: Web Communication Protocols: HTTP, HTTPS, REST;
* Office Software: LibreOffice;
* Online Audio/Video Distribution Platforms: Online Video Platforms: YouTube;
* Operating Systems: Android OS, Linux, MS Windows, Unix, macOS;
* Operational Intelligence Tools: Optimizely Products and Solutions;
* Ownership: Problem-solving;
* Ownership: Self-Management: Result-orientation, Task Management, Time Management;
* Programming Technologies: Object-relational mapping, SOAP;
* Prolog: Technologies: Prolog;
* Python: Python Frameworks: Django Rest Framework;
* Python: Python Tools and Utilities: Poetry, pip;
* Python: Python Web Servers: uWSGI;
* Regular Expressions: Technologies: Regular Expressions;
* Reporting Systems: Crystal Reports;
* SQL: Technologies: SQL;
* Scripting Languages: Ant Design, AutoHotkey, Bash, Formik, JavaScript, React Router, Redux Toolkit, TypeScript, axios, react-virtualized;
* Scripting Languages: CSS Frameworks: Bootstrap CSS;
* Scripting Languages: JavaScript Profiling and Debugging: Chrome DevTools;
* Scripting Languages: JavaScript Desktop Platform: ElectronJS;
* Scripting Languages: Node.js Frameworks: Express, NestJS;
* Scripting Languages: Type Checkers: Flow;
* Scripting Languages: Languages compiled to JavaScript: Flow / flowtype;
* Scripting Languages: JavaScript Documentation: JSDoc;
* Scripting Languages: Javascript Testing: Jest;
* Scripting Languages: JS Utils: Moment.js, date-fns, localstorage, lodash;
* Scripting Languages: Node.js ORM / ODM: Mongoose, Sequelize;
* Scripting Languages: Node.js Loggers: Morgan, Winston;
* Scripting Languages: Node.js Package Managers: NPM, Yarn;
* Scripting Languages: Node.js Development Tools: NVM, Node.js Package Managers, PM2;
* Scripting Languages: JavaScript Backend Platform: Node.js;
* Scripting Languages: Node.js Infrastructure and Clouds: Node.js Api Gateway, Node.js Architecture / Patterns, Node.js Containerization, Node.js Deployment, Node.js Serverless;
* Scripting Languages: Node.js Core: Node.js Async programming;
* Scripting Languages: Node.js Authorization: Passport.js;
* Scripting Languages: JavaScript Frameworks: ReactJS;
* Scripting Languages: Javascript Architecture: Redux;
* Scripting Languages: CSS Preprocessors: SASS/SCSS;
* Scripting Languages: JavaScript Development Tools: Storybook;
* Scripting Languages: JavaScript Module Bundlers: Webpack;
* Software Configuration Management Tools: Building Tools: Ant/NAnt/CPPAnt;
* Software Engineering Management Tools: Project Management/Defect Tracking Systems: Asana, Jira, Redmine, Trello;
* Software Engineering Management Tools: Slack;
* Software Quality Tools: Test Clouds: BrowserStack;
* Software Quality Tools: Code Audit Tools: ESLint;
* Software Quality Tools: Performance Testing Tools: Lighthouse;
* Software Quality Tools: Code Coverage: istanbul;
* Talent Acquisition: Interviewing candidates;
* Technical Writer Tools: OpenOffice;
* Technology Consulting: Blockchain;
* Test Automation Tools: Web Service / API Testing Tools: Postman;
* Test Automation Tools: Web UI Testing Tools: Puppeteer;
* Version Control Systems: Distributed VCS: BitBucket, Git, GitHub, Gitlab;
* Virtualization Tools: Oracle VirtualBox;
* Web Analytics Tools: Google Analytics;
* Windows Operating Systems: Windows 7, Windows Server 2003 (R2);
* XML Protocols and Standards: SVG, XPath (XML Path Language).

**WORK EXPERIENCE:**

**Mar-2021 - Till now (Jan-2022) - Team Lead, EPAM Systems,** [**http://www.epam.com**](http://www.epam.com/)

*Customer:* Software & Hi-Tech

*Project:* A dedicated group of developers, designers, and quality assurance specialists for the internal tools portal.

*Team Size:* Dev Team: 18, QA Team 2

*Project Role:* Team management, code review, architecture solution design

*Tasks performed:*

* Lead development team, design and implement architecture solutions, review code of the teammates, provide help to the teammates in the solving issues.

*Environment:*

* Typescript/Javascript, Postgresql, Node.JS, Nest.JS, React.JS, Python, Kubernetes, AWS, Terraform, Teamcity, Codefresh
* Microsoft Visual Studio Code, Git, kubectl cli tool, Codefresh CLI tool, Terraform CLI tool, Jest, NPM.

**Oct-2020 - Feb-2021 - Team Lead, Powercode**

*Customer:* https://DWIZH.com

*Project:* DWIZH.com - personalize videos feat. your favorite stars

*Team Size:* 1 Team Lead, 1 Backend Software Engineer, 2 Frontend Software Engineers, 1 QA Engineer, 1 UI/UX Designer, 1 Business Analyst, 1 Product Owner

*Project Role:* Team management, code review, architecture solution design

*Tasks performed:*

* Perfomed code review.
* Designed architecture solutions.
* Managed team.
* Helped with resolving complicated issues.
* Teammates mentoring.

*Environment:*

* MongoDB
* Visual Studio Code, Git, webpack, AWS web console and CLI tool
* Node.Js, React.Js, Javascript, AWS SDK

**Mar-2019 - Feb-2021 - Fullstack Software Engineer, Team Lead, Powercode**

*Customer:* NDA

*Project:* HR support system and Slack bots

*Team Size:* 2 Fullstack Software Engineers, 1 QA Engineer, 1 Business Analyst, 1 Product Owner

*Project Role:* Slack bot applications software design and development, business analytics tasks, devops task for the deployment on Google Cloud Platform and Amazon Web Services

*Tasks performed:*

* Developed backend and frontend software for the HR support system.
* Developed task management Slack bot application.
* Developed companies wide questionnaire and jeopardy game Slack bot application.

*Environment:*

* PostgresQL, Redis
* Visual Studio Code, Git, webpack, pgadmin, rebrow, GCP web console and CLI tool, AWS web console and CLI tool
* Node.Js, React.Js, Javascript, Typescript, SQL, Slack API & UI, GCP SDK, AWS SDK

**Feb-2018 - Feb-2019 - Fullstack Software Engineer, Team Lead, Incode Group**

*Customer:* NDA

*Project:* Different projects in the field of the Transportation (blockchain technology), Business & Productivity, Automotive, E-Commerce & Retail, Shopping & Loyalty programs, Fashion & Style, Video Content Streaming.

*Team Size:* 1 Backend Software Engineers, 2..3 Frontend Software Engineers, 1..2 QA Engineers, 1 UI/UX Designer, 1 DevOps, 1 Project Manager, 1 Business Analyst, 1 Product Owner

*Project Role:* Fullstack Software Engineer, Team Lead, Mentor, Pre-sale Engineer

*Tasks performed:*

* Developed backend and frontend software for the various applications.
* Perfomed code review.
* Designed architecture solutions.
* Managed team.
* Helped with resolving complicated issues.
* Teammates mentoring.

*Environment:*

* PostgresQL, MySQL, MongoDB, Redis
* Visual Studio Code, Git, webpack, pgadmin, rebrow, php-admin, GCP web console and CLI tool, AWS web console and CLI tool
* Node.Js, React.Js, Vue.Js, Angular, Javascript, Typescript, SQL, GCP SDK, AWS SDK, Blockchain, Salesforce

**Jan-2016 - Mar-2018 - Co-founder, Java/JavaScript/Erlang Software Engineer, Startup (NDA)**

*Customer:* NDA

*Project:* Financial markets platform

*Team Size:* 1 CTO/Team Lead, 1 Backend Software Engineer, 1 Frontend Software Engineer, 1 QA Engineer, 1 DevOps, 1 Project Manager

*Project Role:* Chief Technology Officer, Key Software Engineer, Business Analyst

*Tasks performed:*

* Perfomed product specification design in the field of Banking & Finance.
* Performed R&D task for the MVP phase;
* Designed know-how maths models for the product implementation.
* Developed software for the both backend and frontend parts.
* Managed and coordinated team.

*Environment:*

* Custom time series database, MySQL
* NetBeans, Sublime Text, Git, Trello, GitHub
* JDK, Erlang BEAM, Rhino JavaScript Engine, math modeling for the forecasting

**Apr-2000 - Jan-2016 - Chief Technology Officer, Team Lead, Senior Software Engineer, CMAS**

*Customer:* Black and color metallurgy processing plants

*Project:* Process Automation various projects

*Team Size:* Dev Team: 10 Software Engineers, QA Team: 2 QA Engineers

*Project Role:* Chief Technology Officer, Key Software Engineer, Business Analyst

*Tasks performed:*

* process control automation systems architecture design and documenting.
* pre-sale project estimations.
* all teams leading and management.
* software design and deployment in the field of the Raw Material Processing as a Senior Software Engineer.

*Environment:*

* Microsoft SQL Server, MySQL, Oracle SQL Server
* SCADA Systems, vendor specific PLC programming tools, Sublime, Microsoft Visual Studio Code, GitHub, BEAM, JVM/JDK, Microsoft Visio, Microsoft Office apps
* SCADA, PLC, 24/7 real time systems

**Nov-1996 - Apr-2000 - Software Engineer, JSC "Ecosys"**

*Customer:* Raw material processing plants

*Project:* Process Automation various projects

*Team Size:* Dev Team: 20 Software Engineers, QA team: 3 QA Engineers, 2 BA

*Project Role:* Fullstack Software Engineer

*Tasks performed:*

* Software development, on site debugging, design project documentation, learning and knowledge transfer to the customers.

*Environment:*

* Microsoft SQL Server, MySQL server
* Custom software, SCADA Systems, vendor specific PLC programming tools, on-chip systems tool chains
* SCADA systems, data acquisition custom software

**EDUCATION:**

*Name of the Education Establishment:* Zaporizhzhya State Engineering Academy

*Faculty/College:* Electronic Technology

*Degree (diploma):* Specialist

*Specialty:* Microprocessor's control systems