

## 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>**

*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:*

- Performed 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, rebrowser, 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.
- Performed 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:**

- Performed 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