Ruslan Makarov

**Software Engineer**

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| SUMMARY  * Experienced 20+ years in design and development of enterprise-level applications * Solid theoretical and practical knowledge of software architecture and design * Worked as tech lead, CTO, project manager, conducted mentoring and code review. I deliver products in accordance with client expectations * Proficient in back-end (Java, Node.js, PHP), front-end (ES6, Vue.js), Android development, microservices, bots/botnets (Rest API, Puppeteer) and browser Web Extensions * Developed software solutions for large USA and top Russian IT companies. * Managed full life cycle of projects from inception to completion. * Professional, competent, responsible, goal-oriented, skilled   RECENT PROJECTS Matchbets.com  2019-2022  Lead software engineer  Licensed sports betting website. Conducted business analysis, created the architecture, design and developed the core of the system (Java, Vue.js, PHP, MySQL/Aurora), integrated it with Sportradar and LSports - providers of odds data (Java, RabbitMQ), and various payment processors. Deployed the system in AWS Cloud utilizing AWS technologies and best practices.  Surebet Scanner, Bot automation  2018-2019  Software developer  Software system that scraps in real-time data from online sportsbooks and runs surebet (arbitrage) and other strategies to analyze and find most valuable bets. Contains a betting automation bot (Puppeteer) which automatically places bets on selected sportsbooks. The system runs on Hetzner Cloud, with thousands of concurrent asynchronous threads fetching and analyzing gigabytes of data every minute. Bypasses sportsbooks’ anti-bot protection. For searching suitable strategies for value bets Big Data and mathematical modeling methods were utilized. | SKILLS **Languages**: Java (20+ years), JavaScript/ES6/Node.js, PHP, Solidity, SQL, HTML/CSS  **Paradigms and Technologies**: OOD/OOP, J2EE, REST API, UML, Git, CI/CD, SaaS, PWA, UI/UX, Android SDK, Web Services, SOAP, Web3, DAPPS  **Databases**: Oracle, MySQL, PosgreSQL, Aurora, DynamoDB, NoSQL, Firebase, MongoDB, CouchDB  **Frameworks and App Servers**: WebLogic, Spring, Vue.js, Laravel, CodeIgniter, Web Extensions, Blockchain  **Cloud Platforms**: Amazon Web Services, Google Cloud Platform  Design patterns, best practices, coding standards, e2e tests, documenting EDUCATION Master of Science in Mathematics  1993-1998  Moscow State University, Russia CONTACTS email: [ruslan.makarov@gmail.com](mailto:ruslan.makarov@gmail.com)  skype: [ruslan.makarov@gmail.com](mailto:ruslan.makarov@gmail.com)  github: [altrusl](https://github.com/altrusl)  CV: [altrusl.github.io/cv/](https://altrusl.github.io/cv/) |

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| WORK EXPERIENCE Freelance / Independent contractor  2004+  Senior software engineer  SiFC: Web app for German high school course management. Two tier app built on Vue.js and NoSQL CouchDB.  Semantic information exchange system: developed POC of XML-based information exchange system for Russian Government. Analog of US NIEM system. Utilized Java 2 EE technologies (JPA, Hibernate ORM, JMA), Spring Boot, SOAP, PostgreSQL, REST/HATEOAS  Pine automation: Developed analyzer for Selenium traffic data for reverse engineering it to business level human actions. The system utilizes Spring Boot, Selenium, WebDriver protocol, WebServices  And many other projects…    AFK Sistema, Russia  2002-2004  Software architect  Developed architecture and design of custom business process management software (Java, Oracle)  Vanderbilt University (ISIS), Nashville, TN  2001-2002  Senior software engineer  Worked on DARPA and Boeing funded project - The Network Embedded Systems Technology (NEST), dealing with middleware services and novel applications of Wireless Sensor Networks (WSN)  Carsdirect.com, Los Angeles, CA  2000-2001  Software developer  Development of car selling website  Intessera Inc., Russia  1998-2000  Software developer  Development of document management system (Java, Oracle) | CERTIFICATIONS   * **AWA Certified Solutions Architect – Associate (2021)** * Sun Certified Java developer (2002)  SIDE WORK  * Participate in open source projects, some are part of Awesome Vue.js * Write well received technical articles for the major IT web-portals * Math tutoring for kids   Top rated (100% JSS) developer on [Upwork](https://www.upwork.com/freelancers/~01175193d8379e5f35?viewMode=1) |