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. Delivered 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 data providers (Java, RabbitMQ), and various payment processors. Deployed the system in AWS Cloud utilizing CI/CD (Jenkins) and AWS technologies and best practices.  Managed a team of UI designers, front-end and back-end developers, testers, QA and DevOps engineers, technical writers. Was responsible for staff screening and hiring.  Surebet Scanner, Bot automation  2018-2019  Software engineer  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. | OBJECTIVE **Looking forward to a challenging job in a small/medium organization as a tech lead to use my IT skills and experience to drive the business from requirements analysis to production**  *Remote position only* SKILLS **Languages**: Java (20+ years), JavaScript/ES6/Node.js, PHP, Solidity, SQL, HTML5/CSS3  **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 Servers**: Vue.js, WebLogic, Spring, CodeIgniter, Laravel, Web Extensions, Blockchain  **Cloud Platforms**: Amazon Web Services, Google Cloud Platform  *Design patterns, best practices, coding standards, e2e tests, documenting* |

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| 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. 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. Development of document management system (Java, Oracle) | EDUCATION Master of Science in Mathematics  1993-1998  Moscow State University, Russia  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  CONTACTS email/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/)  Top rated (100% JSS) developer on [Upwork](https://www.upwork.com/freelancers/~01175193d8379e5f35?viewMode=1) |