BOGDAN JOVANOVIĆ

SENIOR BACKEND ENGINEER

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PROFESSIONAL PROFILE

Energetic, creative, and solution-focused engineer, offering a proven talent for aligning backend systems and development operations with the highest standards of performance, efficiency, and security. Highly regarded for conceptualizing and implementing innovative solutions to pressing technical challenges at the forefront of the tech industry. Forward-thinking changemaker with a passion for leveraging technology to its fullest potential by implementing generative AI and leading-edge Software Engineering methodologies to streamline, accelerate, and improve complex processes. Outgoing team player with exceptional communication, mentoring, and cross-functional collaboration skills.

CORE COMPETENCIES

- Solution Design and Delivery
- Leadership and Mentoring
- Generative AI Integration
- Database Development

- Performance Optimization and Troubleshooting
- Performance, Load, Security, and Stress Testing
- Cross-Functional Collaboration
- Continuous Improvement

- CI/CD Pipelines and DevOps
- APIs and Web Services
- Automated Testing
- Backend Services

WORK EXPERIENCE

UPWORK, REMOTE, JUNE 2022 TO PRESENT

SENIOR BACKEND ENGINEER, JULY 2023 TO PRESENT

- Drive the design, development, and optimization of backend services to support the company's diverse software applications and platforms; emphasize scalability, security, and performance.
- Identify, plan, and deploy necessary engineering changes and additions to sophisticated software products.
- Partner closely with cross-functional development teams to identify requirements, design solutions, and implement features that address customer needs and business goals, as well as ensuring seamless integration and high performance of backend services.
- Test, analyze, and optimize existing backend services to enhance scalability, performance, and resilience.
- Construct databases, analytics systems, and dashboards to maximize insight generation.
- Serve as a mentor and guide to junior employees, contributing expertise to training and development programs.
- Carry out thorough code reviews to ensure adherence to best practices, maintain code quality, and foster a culture of collaboration and continuous improvement.
- Author comprehensive and meticulous documentation for all systems maximize scalability, maintainability, and user friendliness.
- Integrate AI technologies, using OpenAI and LangChain, into existing projects and services to enhance code quality, accelerate development processes, and boost developer productivity.

AUTOMATION ENGINEER, JUNE 2022 TO JULY 2023

- Catalyzed the reliable delivery of high-quality releases for customers as a member of the Vertical Quality Engineering team.
- Engineered backend services to facilitate automation testing for QA teams and joined forces with Agile teams to optimize and support the testing framework.
- Logged, documented, triaged, and resolved bugs; conducted backlog management.

KEY ACHIEVEMENTS

- Crafted automated security tests based on actively exploited vulnerabilities on Upwork; collaborated with cross-functional teams to integrate new tests into deployment pipeline.
- Constructed an automatic metrics-gathering system for all automation scripts, providing domain engineers with insights into test-case failures and script fragility while highlighting opportunities to improve testing suites.
- Supercharged test execution by implementing non-UI login for UI auto-tests, reducing redundancy in login process.

- Formulated and implemented an authentication state storing mechanism, shaving five to six minutes off test execution time by saving and reusing user login data.

ANANAS E-COMMERCE, BELGRADE, SERBIA, MAY 2021 TO JUNE 2022
QA AUTOMATION ENGINEER
- Conducted a full spectrum of performance, load, and stress testing using Apache JMeter.
- Joined forces with engineering teams to gather requirements, formulate testing plans, and collect feedback.
- Discerned, diagnosed, triaged, and resolved bugs; evaluated and maximized test-system performance.

KEY ACHIEVEMENT
- Optimized and enhanced the Ananas automation testing framework, which was effectively used for frontend, backend, REST API, GraphQL, visual, and mobile testing for more than a year; built on top of Java, Selenium WebDriver, TestNG, and Cucumber, as well as integrating framework with the GitHub Actions (self-hosted runners) CI environment.

EDUCATION

BACHELOR OF SCIENCE (B.SC.) IN INFORMATION TECHNOLOGY, 2021
Singidunum University, Belgrade, Serbia

ADDITIONAL INFORMATION

Languages: English (fluent), Serbian (native)

Technical Proficiencies:
- **Programming Languages:** Java, JavaScript, TypeScript, Ruby, Python
- **Databases and Database Management:** PostgreSQL, MySQL, MongoDB
- **Build and Dependency Management:** Gradle, Maven
- **APIs and Web Services:** GraphQL, REST API, WebSockets, Server-Sent Events, HTTP Polling
- **Application Development/Workflow Automation:** Retool
- **Testing and Test Automation:** Selenium WebDriver, Appium, Playwright, Cypress, Cucumber, TestNG, REST Assured, Apache JMeter
- **Test Management and Reporting:** TestRail, Zephyr
- **DevOps and CI/CD:** GitHub Actions, Jenkins, AWS (EC2, Route 53, Elastic Beanstalk, ECS), Git, Docker, Microsoft Azure (VMs and DNS Zones), GitHub Copilot

Interests: TED Talks, Udemy, cybersecurity, hiking, fitness