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# Victor Ivanov

Full Stack Software Engineer | TS eligible

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Full stack software engineer with 3 years of experience designing and deploying web-based applications in Java, Python, and JavaScript. Skilled in modern frameworks like React, Node.js, Express, Flask, and JSP, with hands-on expertise using AWS, Docker, and CI/CD pipelines. Adept at leading development teams, collaborating in Agile environments, and optimizing databases. Passionate about delivering secure, scalable, and high-performance software products.

## SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, C++, HTML/CSS
- **Frameworks and Tools:** React, Node.js/Express, JSP, Flask, Docker, AWS, Jenkins, Git, Spring MVC
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Methodologies:** Agile, TDD, RESTful API design, SPA
- **Languages:** English (fluent), Russian (native), French (work proficiency)

## PROFESSIONAL EXPERIENCE

### Development Lead 2022 – Present

*Paradigm Testing, LLC*

- Oversaw a team of 6 on quarterly release cycles, delivering around 30 features per release to meet tight customer timelines.
- Maintained consistent progress through daily standups and weekly tag-ups, streamlining communication/issue resolution.
- Mentored 2 junior developers in coding best practices, enabling them to complete assigned tasks independently within 2 weeks and accelerating overall team productivity.
- Introduced the Match Sources project, adding a plagiarism-checking service for exam responses that contributed a 10% boost in new revenue.
- Elevated system reliability by creating an Automated Management System (AMS) to separate critical services from production environments, minimizing downtime during updates.
- Improved uptime metrics from 98% to 99.9% by deploying services on dedicated servers, ensuring consistent scheduling for time-sensitive tasks.
- Reduced page load times by roughly 30% using dynamic resource allocation, preloading pages on user hover over links.
- Scheduled monthly cleanup runs to maintain data integrity, supporting accurate reporting and optimizing resource usage.

### Front End Web Developer Intern January 2022 – May 2022

*Meeting Mayhem, UMBC*

- Coordinated with cross-functional teams via GitHub, ensuring efficient feature delivery and on-schedule releases.
- Implemented real-time analytics to measure user engagement and optimize game features, driving continuous improvements.
- Designed a robust Flask application to handle dynamic routing, manage user sessions, and integrate with front-end frameworks.
- Deployed the product on AWS EC2 with Docker, enabling reliable CI/CD and rapid production updates.
- Developed Python-based game logic and encryption algorithms, enhancing data security and performance.

## PERSONAL PROJECTS

### Project BitFlex Jan 2023 – Oct 2023

*Personal Project*

- Hardened application security by mitigating XSS and other vulnerabilities, bolstering overall system stability.
- Leveraged feedback from fitness professionals to refine UI/UX, boosting user engagement and retention rates.
- Established an automated test suite with Pytest and Jest, ensuring high reliability under peak loads.

### Project PicBookGen Mar 2023 – Sep 2023

*Personal Project*

- Engineered a text-to-image platform for custom picture books using OCR and AI-driven image generation.
- Created automated workflows using GitHub Actions, streamlining tests and deployments.
- Integrated advanced image-generation libraries, fine-tuning model parameters for optimal rendering quality and speed.

## EDUCATION

### B.S. in Computer Science Minor in Economics Baltimore, MD

*University of Maryland*

**Courses:** Artificial Intelligence, Data Structures, Computer Architecture, Linear Algebra, Multivariable Calculus, Operating Systems, Cyber Security, Assembly, Software Engineering, Algorithms, Machine Learning, Databases

## CERTIFICATIONS

- AWS Cloud Certification (Pursuing)
- Oracle Certified Professional: Java SE