NIKITA NEKRASOV

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SKILLS

Languages	JavaScript*, HTML5*, CSS3, C/C++*, Java, Swift, PHP, Python
Frameworks	React/Next.js, Vue/Nuxt.js, Node.js, Hugo, Express.js, STM32Cube, ESP-IDF, FreeRTOS
Tools	Git Automation, Azure, AWS, CI/CD, MongoDB, JIRA, WordPress, PlatformIO, TensorFlow (.js and Lite Micro), Playwright Tests, Golioth IoT, Particle.io

EXPERIENCE

Co-Founder Aug 2021 - Present
MiniProto *(Remote)*

- Developed a user-friendly Next.js based eCommerce platform that allows users to generate a live 3D render to widely customize, preview and purchase products from their mobile/desktop browser in real time.
- Built out an automated fulfillment system that scales with product complexity and provides dynamic pricing based on a custom algorithm to meet business objectives while maintaining traceability of orders.
- Launched a cost-effective yet scalable MVP using modern Incremental Static Regeneration techniques, collected feedback and delivered reliable products to independent makers and larger teams alike.

Full Stack Developer Nov 2019 - Feb 2023
Unlimited Tomorrow *(Remote) Rhinebeck, NY*

- Led software development of several generations of prosthetic arm devices, iterating on feedback from hundreds of end-users as well as optimizing internal processes to provision and ship devices more efficiently.
- Architected a custom TensorFlow based in-browser trained Deep Neural Network optimized for use in prosthetic devices, increasing adoption rate and allowing users to personalize muscle based control of their device(s).
- Increased accessibility of remote-first prosthetic fittings worldwide with an intuitive SLAM-based limb scanning mobile application used by over 500 users of varying technical literacy in the comfort of their own homes.
- Using FreeRTOS and test driven development principles, redesigned mission-critical software to operate in a event-driven paradigm, allowing end-users to reliably receive software updates that improved device controllability and performance.
- Leveraged Azure serverless functions to cost-effectively construct a network of microservices that automated communication between internal CRM/ERP systems, collectively saving our fulfillment and manufacturing teams thousands of hours of manual data entry.

Test Automation Engineering Intern June 2018 - June 2019
Northwestern Mutual *New York, NY*

- Increased daily front and backend engineering efficiency through the implementation of automated end-to-end tests running in a Gitlab CI/CD pipeline with triggers upon code commits.
- Implemented mobile-first accessible form input components with an emphasis on interact-ability to increase lead generation and conversion.

PROJECTS

FIRST Robotics Competition (2014-Present) [Java, Hugo] As lead mentor, provided STEM education to pre-college students through the design, manufacturing and programming of a custom robot in an annual competition. Volunteer as Robot Inspector at competition events, guiding other teams to ensure safe and reliable robot function.

comma.ai [Python, C++] Increased reliability of self-steering performance by contributing regularly to the open source advanced driver assistance system, OpenPilot.

EDUCATION

Bachelor of Science in Information Systems, Brooklyn College Graduated 2019