

JONATHAN BOTROS

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EDUCATION

New Jersey Institute of Technology

Bachelor of Arts in Computer Science

Newark, NJ

September 2016 – May 2020

EXPERIENCE

Lead Software Engineer

April 2023 – Present

Skillman, NJ

Kenvue (Formerly Known as Johnson & Johnson Consumer Health)

- Spearheaded development of Kenvue's Developer Portal using Typescript, React, Express.js and Backstage.io, allowing 100+ development teams to catalog their projects, view documentation, and create new projects via templates.
- Launched and maintained 5+ Software templates that integrate logging, linting, unit tests, and CI/CD pipelines.
- Migrated the developer portal from a virtual machine to a Kubernetes cluster, establishing a Jenkins pipeline for multi-environment deployment via ArgoCD, reducing the release process from 1-2 hours to 10-15 minutes.
- Provided guidance and solution architecture for 3 teams in the commercial sector, ensuring adherence to best practices.
- Promoted the adoption of containerized static websites, resulting in the deployment of key brand websites with 1000+ visitors to a shared Kubernetes cluster, enhancing scalability, reducing costs, and increasing performance.

Senior Software Developer

May 2022 – March 2023

Raritan, NJ

Johnson & Johnson

- Engineered a React Native app for image labeling, accelerating the training of over 10 AI models for robotic surgery.
- Implemented CI/CD Jenkins pipeline for the mobile app web portal, which included unit tests, linting, static analysis, and deployment, boosting release efficiency by 40% and incorporated best practices in code quality and deployment.
- Improved performance for the app's REST API. Removed 300 code smells, and increased unit test coverage by 50%.
- Rewrote web portal using React, TypeScript, and Tailwind, improving data visualization and administrative functionality.

Software Developer

June 2020 – May 2022

Raritan, NJ

Johnson & Johnson

- Led backend PHP development for the Care4Today app which tracks patient symptoms, medication, and appointments. Created new trackers to generate risk scores, facilitating the onboarding of 100+ new clinical sites for research studies.
- Coached 3 other developers on the Care4Today backend team, enabling them to reduce tech debt by 30% and increase unit tests by 10% across the backend. Solved issues with Jenkins builds & reviewed and debugged code with team.
- Architected serverless Node.js REST API for a mobile application to scan hashed bar codes stored in a PostgreSQL database for the Johnson & Johnson Covid Vaccine, enabling lab workers to verify vaccine expiration status efficiently.
- Played key role in API strategy contributing to the Johnson & Johnson API Catalog, which hosts over 150 APIs for internal discovery. Established CI/CD tools to streamline the upload of OpenAPI specifications to the API Catalog.

Software Engineering Co-op

June 2019 – December 2019

Raritan, NJ

Johnson & Johnson

- Transitioned 10+ APIs in a critical API migration project from Apigee Trireme to Apigee Hosted Targets, documenting the migration process and supporting 4 overseas teams, successfully reaching internal deadlines ahead of schedule.
- Developed features for an internal developer companion application, built with Node.js & React. The system provided a centralized source of data pooled from CI/CD tooling, resulting in valuable metrics for over 100+ J&J projects.

IT Intern

May 2018 – August 2018

West Trenton, NJ

NJM Insurance

- Contributed to Selenium-based Automation Testing Tool using AngularJS, Java, and SQL, significantly improving automated QA testing experience for customer service tools, leading to 20% less issues in new sign ups.

PROJECTS

Youth Registration Form | React, Javascript

- Deployed new visitors card for a church youth group on the cloud, reducing waste and cutting costs by \$100 per year.

Color Fun Run | PHP, HTML, Javascript, MySQL

- Designed registration system for a color run with PHP, MySQL and HTML. The system integrated with Paypal's SDK and sent an email notifications upon new sign ups. The event had 180+ attendees and raised \$12,000.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Python, PHP, Bash, PostgreSQL, Java, HTML, CSS, Groovy, C++

Frameworks and Libraries: React, Express.js, Next.js, React Native, FastAPI, Symfony, Knex.js, Backstage

Developer Tools: Git, Docker, Kubernetes, Jenkins, Vite, AWS, Apigee, VSCode, Jenkins, Jira, Helm, Snyk, ArgoCD