JONATHAN BOTROS

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EDUCATION

New Jersey Institute of Technology   Newark, NJ
Bachelor of Arts in Computer Science   *September 2016 – May 2020*

EXPERIENCE

Lead Software Engineer   April 2023 – Present
Kenvue (Formerly Known as Johnson & Johnson Consumer Health)   *Skillman, NJ*
- Spearheaded development of Kenvue's Developer Portal using Typescript, React, Express.js and Backstage.io, serving 100+ teams that enable users to catalog their projects, view documentation, and create new projects via templates.
- Created and maintained 5+ Software templates that integrate logging, linting, unit tests, and CI/CD pipelines.
- Migrated the developer portal from an EC2 to a Kubernetes cluster, establishing a Jenkins pipeline for multi-environment deployment via ArgoCD, reducing the release process from hours to 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
Johnson & Johnson   *Raritan, NJ*
- 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, incorporating unit tests, linting, static analysis, and deployment, boosting release efficiency and incorporating best practices in code quality and deployment.
- Enhanced app performance for the app's REST API, removing 300 code smells, and increasing 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
Johnson & Johnson   *Raritan, NJ*
- Lead 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 offices for research studies
- Supported 3 other developers on the Care4Today backend team. Debugged issues with Jenkins builds, reviewed and debugged code with team, reduced tech debt by 30% and led initiative to increase unit tests by 10% across the project.
- Developed serverless Node.js REST API for an internal mobile app to retrieve hashed bar codes stored in a PostgreSQL database for the J&J Covid Vaccine, so lab workers can determine if the vaccine was expired.
- Backend Node.JS Developer for the J&J API Catalog, which hosts over 150 APIs across Johnson & Johnson for internal discovery. Developed CI/CD tools to enable teams to upload their OpenAPI docs to the API Catalog.

Software Engineering Co-op   June 2019 – December 2019
Johnson & Johnson   *Raritan, NJ*
- Transitioned 10+ APIs from Apigee Trireme to Apigee Hosted Targets and wrote documentation for teams on how to migrate their APIs. Supporting 4 overseas teams in a critical API migration project.
- Full Stack Developer for an internal developer application, developed 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
NJM Insurance   *West Trenton, NJ*
- Contributed to Selenium-based Automation Framework Tool using AngularJS, Java, and SQL, significantly enhancing automated QA testing and improving customer service tools for sales reps, leading to higher car insurance sign-ups.

PROJECTS

Youth Registration Form | *React, Javascript*
- Built a serverless registration form for a church youth group of 50 teenagers, reducing paper waste and cutting costs.

Color Fun Run | *PHP, HTML, Javascript, MySQL*
- Created registration form for a charity event which integrated with the Paypal SDK and sent an email notification whenever someone registered. The event had 180+ attendees, and raised $12,000 for clean water projects.

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