

Natan Barel

Software And DevOps Engineer

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WWW <https://github.com/natan-barel/>

WWW <https://natan-barel.github.io/portfolio-app/>

Results-driven Software and DevOps Engineer, AWS Certified solution architect associate, with a passion for streamlining development processes and enhancing team efficiency. Possessing a solid foundation in programming and automation, With a strong commitment to continuous learning and a keen understanding of automation, networking, integration, deployment pipelines, cloud, and infrastructure as code, I am eager to deliver seamless, scalable solutions.

By combining my software engineering background with a strong proficiency in DevOps methodologies, Cloud environment and CI/CD tools, I am dedicated to fostering collaboration across teams and optimizing software delivery practices for enhanced product performance and user satisfaction.

you can check my Projects here :

<https://natan-barel.github.io/portfolio-app/>



Education

2023-05 -
2023-09

Course: DevOps Engineer & AWS Solutions Architect

IITC College - Tel Aviv, Israel.

800+ hours of hands-on lab and best practice projects crafting using latest CI/CD tools and methodologies.

- Wrote automation scripts in Python & Shell (Bash).
- Configured & Monitored AWS resources and services ensuring optimal cloud infrastructure.
- Deployed and monitored infrastructure using Ansible and Terraform.
- Set up CI/CD Pipeline using Jenkins and GitHub Actions.
- Set up Docker images, enhancing automation and speeding up deployment processes.
- Deployed scaled and managed Kubernetes clusters.
- Effectively monitoring using Grafana and Prometheus.

2014-10 -
2017-06

Bachelor of Science: Computer Science And Mathematics

Ariel University - Israel



Work History

2024-05 -
Current

Cloud Operation Engineer

Cloudzone, Israel

- Coordinated with vendors to troubleshoot complex infrastructure issues, escalating problems as necessary to ensure timely resolution and mitigate potential impact on service levels.
- Developed custom scripts for automating repetitive tasks, improving team productivity and reducing human error.
- Maintained high availability of critical systems through proactive health checks, redundancy solutions, and disaster recovery planning.
- Assisted in capacity planning efforts by regularly monitoring resource utilization and forecasting future requirements based on historical trends and projected growth rates.
- Participated in on-call rotations as required, providing after-hours support to ensure system stability and swift resolution of critical incidents.
- Contributed to budget planning efforts by analyzing resource usage trends and recommending cost-effective solutions for scaling up or down resources as needed.
- Evaluated new technologies relevant to cloud operations engineering in order to recommend potential enhancements or upgrades that would improve overall system performance or costefficiency.
- Improved network security by configuring and managing firewalls, access controls, and encryption protocols.
- Provided timely technical support to users experiencing issues with cloud-based applications or infrastructure components.

2021-01 -
2023-05

DevOps/Senior Engineer

Drivz, Israel

- Development of complex and scalable web-based large enterprise dashboard application from scratch in Angular with Typescript, using NGRX, RXJS, LESS and 3rd party Libraries.
- Design and implement core features of SaaS application based on microservices.
- Design, develop, test and deploy reusable features and components, with emphasis on scalability, performance and visual quality.
- Create and maintain advanced production ready build system using Gulp and ESLint configurations.
- Create CI/CD process utilizing Git, WebPack, Jenkins, Karma, Jasmine, Docker, K8s on AWS and on-premise – key driver for engineering excellence through constant improvement in processes, tools, and practices.

2019-01 -
2021-01

Full Stack Engineer

NGSoft, Israel

- Build large-scale, high-volume complex web applications from scratch using framework such as Angular (7-10).
- Development of Secure REST API with NodeJs, Typescript and MongoDB.
- Design, develop, test and deploy high traffic reusable features and components, with emphasis on scalability and performance that drove complex web applications.
- Translate product & business requirements into working solutions, working closely with company leadership, product managers, UX designers to architect, prioritize and deliver great software experience.
- Maintenance of existing code and projects, debugging, integrating and tackling hard technical problems some at architecture level, some at code level and come up with solutions, according to customer needs.

2018-02 -
2019-01

Integration Developer

Consist, Israel

- Development, integration and system optimization of a leading CCM system, using vanilla Js.
- Conducting research according to customer needs and developing interfaces and solutions for the system according to customer requirements.
- QA and system analysis and real-time troubleshooting.
- Maintenance of existing code according to changes of system and customer requirements.