MICHAEL KOTLYAR

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EDUCATION

New York University (NYU), Tandon School of Engineering   **Brooklyn, NY**

Bachelor of Science: Computer Science, Minor: Management   *September 2013 – Jan 2018*

- Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms, Discrete Mathematics, Computer Architecture & Organization, Design & Analysis of Algorithms, Data Analysis, Game Programming, Operating Systems, Software Engineering, Design Project, Databases, Application Security, Marketing, Organizational Behavior

WORK EXPERIENCE

Mark43   **New York, NY**

DevOps Engineer   *Jun 2021 – Present*

- Managed & provisioned Mark43's AWS + Azure infrastructure using popular cloud tools: Terraform, Ansible, Helm, K8s, ElasticSearch, Kibana. Utilized various CI/CD implementations for deploys: Atlantis, ArgoCD, TeamCity, Github Actions
- Built and deployed Docker containers to Kubernetes (K8s) (AWS/Azure), overseeing product releases and developer workflow, scalability, developer velocity (TeamCity, Spinnaker, JFrog Artifactory)
- Participated in 24/7 on-call rotation (PagerDuty), monitored cloud infrastructure health (K8s, EC2, S3, RDS) - including backups, patches, scaling (SignalFX)
- Cut costs of cloud bills using cost-cut tools (Infracost) via Terraform GitOps

NYC Cyber Command   **New York, NY**

Associate Site Reliability Engineer   *Aug 2019 – Jun 2021*

- Responsible for the reliability of New York City's first cloud-based data pipeline deployed on Google Cloud Platform
  - Monitored Google Stackdriver alerts for the entirety of the cloud data pipeline (Google Pub/Sub, Google Dataflow, Google Cloud-Functions, Google BigQuery, Google Cloud Storage, etc)
  - Performed various software installations and patches across hundreds of Google Compute Instances (VMs)
  - Administered/built/troubleshooted multiple mission critical environments (development, staging/qa, production)
- Orchestrated dozens of GCP projects using Infrastructure as Code (Terraform) with a streamlined continuous integration/continuous delivery process (Git/Jenkins)
- Contributed and improved to NYC3's data pipeline, utilizing the Apache Beam SDK (Java)
- Built internal SRE CI/CD tooling using Python web frameworks (Flask)
- Performed on call primary/secondary duty to manage alerts and solved real-time issues
- Created and maintained documentation of systems, infrastructure as code tools, and code style guidelines for Git repositories.

Yeshivah of Flatbush   **Brooklyn, NY**

Data Systems Associate   *July 2018 – Aug 2019*

- Maintained, operated & analyzed school information systems (Rediker, Google for Education, Finacs, Sustain, O365)
- Managed G Suite domain using a combination of Google App Script (Javascript) scripts, and CLI's (GAM)
- Managed library resource manager for all elementary and high school students (Follett Destiny – Microsoft SQL Server)
- Wrote code for webhooks + API's (Freshdesk API, Cisco Meraki Dashboard API, Google Apps API's)
- Acted as a liaison between the Director of Information Technology & the technology department in all data related issues

Consumer Priority Service (CPS)   **Brooklyn, NY**

Junior Programmer   *June 2018*

- Utilized Microsoft's .NET Framework to program and develop cpscentral.com, the backbone of the CPS company
- Worked with both backend (.NET) and frontend (HTML/CSS/JS/BOOTSTRAP) of website development
- Fixed errors and issues using CPS's internal ticketing system to track bug fixes, feature additions, and enhancements
- Maintained and updated client information using CPS's database (Microsoft SQL Server)
- Practiced agile development / sprints, version control – Microsoft Team Foundation Service

SKILLS & INTERESTS

- Operating Systems: Windows, Linux (Terminal/Bash), Mac OS
- Proficient in object-oriented implementations of languages: Java, C++, Python
- Web development: Angular.js, Node.js, HTML/CSS
- Database management: MySQL, Microsoft SQL Server, MongoDB
- Miscellaneous: Microsoft Tools (Excel, PowerPoint, Office), VCS (Git/GitHub), AWS, Heroku, VirtualBox, Docker, Android, OneDrive, Zendesk, Product Management, Statistics, Software Development, Object Oriented Designs, Hackathons