

# Jacob Della

Contact Information: Phone: 443-763-1736 | Email: [jake.della4@gmail.com](mailto:jake.della4@gmail.com) | [Github](#)

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## Experience

- **UPS - Software Applications Developer II** (June 2022 - Present)
    - Troubleshoot Openshift4 and GKE clusters running customer facing applications.
    - Deployed numerous security components to enforce PCI compliance updates for 2024.
    - Supported various resources on Google Cloud Platform including GKE, Cloud Storage, PubSub, IAM, Cloud SQL, KMS, App Engine, Compute Engine, Software Defined Networking, Cloud DNS, and BigQuery.
    - Increased cost optimization inside organizations Google Cloud. Right sized GKE clusters, configured auto scaling nodes and pods.Reduced zonal egress charges by optimizing cluster topology.
    - Automated deployments of Microsoft SQL clusters in availability groups via custom Go tooling.
    - Maintained Istio Service mesh configurations across multiple clusters greatly increasing cluster security posture.
    - Developed POC pipelines inside of Azure Devops to build numerous applications into Docker images.
    - Led database migrations from virtual machines to Kubernetes to simplify infrastructure needs.
    - Prototyped numerous infrastructure and application patterns based on business needs.
    - Collaborated cross functionally to fix applications issues with multiple stakeholder inputs.
  - **UPS - Systems Programming Associate** (May 2021 - June 2022)
    - Collected requirements and created Terraform Modules to deploy resources via Google Cloud Platform.
    - Coordinated Terraform module requirements with stakeholders, development teams and management.
    - Crafted security policies using Policy Controller within Kubernetes.
    - Completed Cloud Infrastructure related work orders according to SLA constraints for customers and stakeholders.
  - **UPS - CAB ISM Co-op** (Jan 2021 - May 2021)
    - Met business needs to deploy observability infrastructure across servers using Ansible.
    - Created Grafana dashboards to display system utilization, health metrics and alerts.
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## Technical Skills

- **Languages:** Bash, Powershell, Go, Python, .NET, Java, Hashicorp Configuration Language, Terraform, SQL
- **Developer Tools:** JFrog, ArgoCD, Prometheus, Kubernetes, Kubectl, Docker, Bash, Ansible, Helm, Kustomize, GoLand, Git, VSCode Editor, Linux (Debian/RHEL)
- **Cloud Platforms:** Google Cloud, Azure Cloud

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## Education

- Towson University (Towson, MD)
    - B.S of Computer Science, Minor of Mathematics **3.34 GPA** (Jan 2019 - Dec 2020)
  - Community College of Baltimore County (Essex, MD)
    - A.S of Computer Science (Sep 2015 - Dec 2018)
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## Projects

- [terraform-proxmox-k3s-multinode](#)
  - Forked an existing terraform module and updated it to support distributing k3s across multiple proxmox hosts in a Corosync cluster.
- [ESX Zombie System Fix for FiveM](#)
  - Refactored large portions of codebase to fix performance issues with zombie spawns.