Darryl Forbes

darrylforbes2022@u.northwestern.edu | 630-540-6820
darrylforbes.me | github.com/darrylforbes | linkedin.com/in/darrylforbes

Education

Northwestern University   Sep 2018 – Mar 2022
Bachelor of Science in Computer Science
- GPA: 3.81 / 4.00
- Courses: Agile, Web Development, Networking, Systems, Algorithms, Databases
- Activities: Northwestern University Marching, Basketball, and Purple Bands

Experience

Nokia   Jun 2021 – Aug 2021
Software Dev Cloud Intern
- Provisioned Kubernetes infrastructure with Google Anthos on bare metal to run product code
- Automated Kubernetes cluster construction and product deployment with Ansible
- Documented installation and deployment instructions as well as troubleshooting information
- Utilized automated testing to identify and resolve bugs in the infrastructure and deployment
- Worked with developers to determine and provide necessary infrastructure

Nokia   Jun 2020 – Aug 2020
Software Dev Cloud Intern
- Containerized existing simulation software using Docker
- Automated and documented Kubernetes deployment strategies
- Utilized automated testing to identify and resolve bugs in the image and infrastructure
- Configured ZFS (file system) as an improved data storage solution for log collection servers
- Improved automation of log collection, monitoring, and email notifications with Python scripts

Turtle Wax, Inc.   Jun 2019 – Aug 2019
IT Technical Support Specialist   Jun 2018 – Aug 2018
- Worked with users to resolve hardware and software issues
- Configured and deployed employee workstations and conference rooms
- Assisted in standardizing and documenting hardware deployment procedures

Projects

Open When
github.com/darrylforbes/open-when | openwhen.darrylforbes.me
- Messaging app focusing on when to open messages
- Written with a React frontend and a FastAPI (Python) backend REST API
- Deployed to AWS on an EC2 instance and an S3 Bucket via CI/CD pipeline

Web Server
github.com/darrylforbes/web-server
- Automation scripts and configuration files for a server that hosts projects and other websites
- Utilizes Docker Compose, Terraform, and Ansible to deploy and manage services

Skills

DevOps: Docker, Kubernetes, Amazon Web Services (EC2, RDS, S3), Google Cloud (GKE, Anthos), CI/CD (GitHub Actions), IaC (Terraform, Ansible), Scripting (Python, Bash), Networking
Development: Frontend (React, Javascript, HTML, CSS), Backend (FastAPI, Django, Node.js, REST APIs, JWT Authentication), Databases (PostgreSQL, MongoDB), Git/GitHub, Unit Testing, Agile
Other: Linux (Ubuntu, CentOS), Vim, Nginx, VirtualBox, Hardware Installation and Troubleshooting