Sam Nelson

123-456-7890 | spam@alot.py | linkedin.com/in/nelson-sam | github.com/sanelson

EDUCATION

Boise State University   Boise, Idaho
Bachelor of Arts in Mechanical Engineering, Minor in Math   *Aug. 1997 – May 2007*

EXPERIENCE

IT Consultant   March 2018 – present
Siliconfuture LLC   *Boise, ID*
- Develop custom software solutions and provide training/coaching
- Reverse engineer, bugfix and document legacy systems
- Collaborate with clients to architect, develop and implement new systems

DevOps Engineer   May 2024 – Jan 2025
Treasury4   *Spokane, WA*
- Automated the deployment of Snowflake data warehouse schemas and config using Azure DevOps Pipelines
- Built and maintained Kubernetes (AKS) clusters with ArgoCD, kubectl and k9s
- Led the migration from Terraform to Opentofu and implemented remote state encryption
- Developed a custom Powershell Azure DevOps Pipeline YAML linter to catch errors before committing
- Created a Go program to activate Azure PIM for multiple resources concurrently

Software Engineer   September 2022 – May 2024
Clenera LLC   *Boise, ID*
- Built custom data pipelines using Django, Python, Quickbase and Office 365
- Automated investor reports from engineering data using custom LaTeX templates, Plotly, Pandas and Matplotlib
- Created office TV dashboards using Grafana and Postgres
- Containerized and migrated applications to Azure using Docker and Terraform

Infrastructure Engineer   April 2018 – April 2019
J.R. Simplot Company   *Boise, ID*
- Designed, built and maintained an Azure hosted multi-node Splunk Enterprise cluster used for SEIM
- Trained and coached teams on Git source control best practices and basic Python scripting
- Configured RHEL and CentOS using Ansible
- Created virtual machine image build tooling using Vagrant

System Administrator   March 2014 – March 2018
Kount   *Boise, ID*
- Built, supported and deployed AI credit card fraud detection app in a high availability, high performance, PCI compliant, SaaS environment

PROJECTS

Schemachange | Python   Sept 2024 – Present
- Added support for Snowflake SQL object dependency resolution using directed graphs via the NetworkX and SQLGlot Python libraries
- Added schema 'baseline' feature to migrate existing databases to Schemachange
- Collaborating with the Schemachange community to add new features and fix bugs
- Created a Schemachange plugin system per Schemachange community pull request feedback

homebrew-freecad | Ruby, CMake, Homebrew   Nov 2014 – 2016
- Created and maintained the Homebrew formula for FreeCAD until transferring to the FreeCAD organization

TECHNICAL SKILLS

Languages: Python, Go, Java, C, SQL, bash, zsh, Powershell, PHP, Perl, Ruby, HTML/CSS
Markup: Markdown, LaTeX, XML, JSON, YAML, Jinja, Django templates
Databases: Oracle, MySQL, PostgreSQL, SQLite, SQL Server, Quickbase, Snowflake
CI/CD: Azure Pipelines, Jenkins, Bitbucket Pipelines, ArgoCD, GitHub Actions, Boomi
Observability: Azure Monitor, Azure Log Analytics, Grafana, Prometheus, Loki, Promtail, CheckMK, Nagios, Splunk, Sumo Logic
Virtualization: WSL, Hyper-V, VMware, VirtualBox, Azure VMs, EC2, Docker, Kubernetes
DevOps Tools and IaC: Git, Docker, VS Code, Vim, make, Postman, IaaC, Ansible, Puppet, Opentofu, Terraform, Packer, Vagrant, ARM Templates, GitOps
Operating Systems: Linux: RHEL, Ubuntu, Debian, SUSE; Windows, OSX, iOS, Android, UNIX v6
Security: Nmap, Nessus, Wireshark, Burp, iptables, OWASP, OpenVPN, IPsec, SSL/TLS, PGP, GPG, 1Password, Keeper, Azure Key Vault
Libraries: pandas, NumPy, Plotly, Matplotlib, requests, requests_cache, environs, rich, Pytest, Django REST Framework