Brandon High

bmh.io

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EDUCATION

Oregon State University Corvallis, OR

Bachelors of Science in Computer Science, Minor Psychology *Fall 2005 – Spring 2010*

EXPERIENCE

Ride with GPS Portland, OR

Staff Modern Linux Systems and Software Engineer *Feb 2024 – Apr 2025*

Argo Workflows: Led adoption for CI/CD and data pipelines; integrated with Rails tooling.
Kubernetes Administration: Managed staging deployments and planned legacy production migration.
Observability: Maintained stack: Grafana, Prometheus, Elasticsearch, Kibana, Sensu, Munin.
Automation: Used Ansible and Python to manage bare metal hardware configuration.
Data Center Ops: Upgraded frontend systems and network hardware for redundancy. Maintained existing Ubuntu Linux systems.
On-Call: Participated in PagerDuty rotation for incident response.

OpenGov Remote

Staff & Senior Software Engineer (Delivery Engineering) *Jul 2020 – Jan 2024*

CI/CD Modernization: Migrated from Jenkins/Spinnaker to GitHub Actions and ArgoCD; built open-source Actions in Python, TypeScript, and Bash. Ran self-hosted GitHub Actions runners on Kubernetes.
AI & Internal Tools: Prototyped PR Review Bot using TypeScript/LangChain; managed OpenAI Org access.
Access Control: Architected and implemented org-wide RBAC via Terraform/Teleport for AWS and Kubernetes.
Infrastructure as Code: Built and tested Terraform modules with Terratest (golang). Built and maintained Org AWS AMIs with Packer.
Observability & Monitoring: Collaborated on internal Grafana "Observability as Code" platform that provided metrics/logs/traces/SLOs/alerts for teams automatically using Terraform triggered via Git. Managed underlying Grafana Cloud, in-cluster agents/Prometheus.
SRE & DevOps Enablement: Led Kubernetes, Helm, Docker, AWS, secrets management, security and observability efforts; supported on-call via OpsGenie.
Open Source: Attended Kubecon 2023. Contributions to Argo projects, CNCF, Kubernetes, Kustomize.

Puppet Portland, OR

Senior Software Engineer (Dev Infrastructure Ops) *Aug 2018 – Jul 2020*

Observability: Unified logging (FluentD) and tracing with OpenTracing/OpenTelemetry/Jaeger.
Cloud Migration: Migrated Jenkins and Ruby services to GKE; supported vSphere, Mesos, Docker.
Team Leadership: Served as Scrum Master and Product Owner; drove backlog alignment and cross-team communication.

Puppet (formerly Puppet Labs) Portland, OR

Software Engineer (Puppet Enterprise Installer/Integration Team) *Dec 2013 – Aug 2018*

Installer & Orchestrator: Co-architected and implemented GUI Installer and Orchestrator using Ruby/Sinatra. This automated the install, upgrade, and configuration of our enterprise multi-service distributed system in airgapped customer environments. Responsible for integration testing of all Puppet components into this distribution.
Open Source Contributions: Created Chloride SSH library, ruby-pathspec, and rubocop-i18n.
CI Tooling: Developed internal Jenkins tools and shared Groovy libraries.

Facebook Inc. Menlo Park, CA

Site Reliability Engineer *May 2012 – Nov 2013*

Tooling: Built Python tools for incident remediation and infrastructure audit.
Platform Migration: Supported shift to in-house containerization (CGroups-based, Borg-like).
On-Call: Handled production incidents as part of SRE rotation.

Flashlight LLC Portland, OR

Software Engineer *Sep 2010 – Apr 2012*

UI Development: Built Groovy/Grails/jQuery frontend for cable STB control.
Automation: Automated dev environment setup with Puppet.

CERTIFICATIONS AND POST-ACADEMIC EDUCATION

Kubernetes Certified Application Developer: Linux Foundation – 2021

Machine Learning Nanodegree: Udacity – Jan 2017 to Jul 2017; coursework included Linear Regression, Neural Networks, and TensorFlow

Docker Certified Associate: Docker – Jun 2018 to Jun 2020 (Expired)

Puppet Professional Certification: Puppet – May 2015

PROJECTS

kustomize-everything: Suite of GitHub actions for working with Kustomize/GitOps using the Rendered YAML Manifests GitOps pattern.

asdf-teleport-ent: asdf plugin for managing Teleport CLI versions.

bad-parrots: Collection of scripts for working with local LLMs in Docker.

pathspec-ruby: Ruby library for parsing .gitignore-like files.

resume: LaTeXsource for this document.

SKILLS

Languages: Python, Ruby, JavaScript/TypeScript, Bash, C, C++, Go/golang, Rust, SQL, Elixir, Clojure, x86 ASM, Zig, Nim, AWK, Haskell, Lua, PHP, Prolog, Lisp

CI/CD: GitHub Actions, Argo Workflows, ArgoCD, Argo Events, CircleCI, Jenkins, Spinnaker

Infrastructure & Automation: Terraform, Kubernetes, Helm, Kustomize, Ansible, Puppet, Docker

Cloud: AWS, GCP

Observability & Monitoring: Prometheus, Grafana, Elasticsearch, Kibana, FluentD, OpenTracing, OpenTelemetry, Sensu, Munin

Security & Access Control: RBAC, Teleport, IAM (AWS)

AI/LLM: OpenAI API, OLlama, LangChain

Testing & Dev Tools: Terratest (Golang), Git, VSCode, Vim, Groovy (Jenkins Pipelines)

Operating Systems: Linux (Ubuntu/Debian/CentOS/Arch Linux/Gentoo/Raspbian), macOS, Windows