

# Brandon High

bmh.io

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## EDUCATION

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### Oregon State University

*Bachelors of Science in Computer Science, Minor Psychology*

Corvallis, OR

*Fall 2005 – Spring 2010*

## EXPERIENCE

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### Ride with GPS

*Staff Modern Linux Systems and Software Engineer*

Portland, OR

*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

*Staff & Senior Software Engineer (Delivery Engineering)*

Remote

*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 & Dev 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

*Senior Software Engineer (Dev Infrastructure Ops)*

Portland, OR

*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)

*Software Engineer (Puppet Enterprise Installer/Integration Team)*

Portland, OR

*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-pathspect, and rubocop-i18n.

**CI Tooling:** Developed internal Jenkins tools and shared Groovy libraries.

### Facebook Inc.

*Site Reliability Engineer*

Menlo Park, CA

*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

*Software Engineer*

Portland, OR

*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

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**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

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**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:**  $\text{\LaTeX}$ source for this document.

## SKILLS

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**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