Eire Ford

Senior Software Engineer Portland, OR | 541-870-9895 | eireford@gmail.com | [LinkedIn /Portfolio Link]

Professional Summary

Highly adaptable and driven technologist with a passion for leveraging cutting-edge technologies to solve complex problems and drive innovation. Extensive experience in developing scalable web services, cloud infrastructure, and security-focused applications across AWS and GCP environments. Seeking opportunities to contribute to impactful projects and push the boundaries of what's possible.

Technical Skills

- **Languages:** Java, Python, JavaScript, Kotlin, PHP, SQL.
- **Web Services & APIs:** RESTful APIs, Flask, Node.js, Strapi, Laravel, Lumen, OAuth, Auth0.
- **Cloud & DevOps:** AWS (S3, CloudFormation), GCP, Docker Compose, Jenkins, GitHub Actions, CI/CD automation.
- **Database Management:** PostgreSQL, MySQL, Oracle RAC, MSSQL, ETL operations, Schema Design.
- **Methodologies:** Agile/Scrum, IAM, Test-Driven Development (TDD), Security Compliance (SOX, HIPAA, FERPA, PCI).

Professional Experience

Senior Software Engineer | Remotely Video | Portland, OR

August 2021 – December 2022

- Designed and developed an **IAM API** using Python/Flask to support Auth0 and Google Workspace, enabling SSO and RBAC for multi-tenant AWS environments.
- Automated **CI/CD pipelines** for Python, Node.js, and React applications using Jenkins and GitHub Actions.
- Implemented **Infrastructure as Code (IaC)** via CloudFormation and Docker Compose for multi-tenant video production services.
- Collaborated in an **Agile environment** to define user stories, sprint plans, and risk management strategies with cross-functional stakeholders.

Software Engineer | DF Studio | Los Angeles, CA

April 2018 – December 2018

- Developed automated **end-to-end and functional tests** using Selenium WebDriver and Jenkins for Java/Kotlin web applications.
- Extended CI/CD pipelines to include **security testing**, addressing vulnerabilities such as CSRF, malicious code injection, and broken access control.
- Researched and implemented web security remediations utilizing **OWASP ESAPI**.

Analyst Programmer II | University of Oregon | Eugene, OR

April 2012 – June 2016

- Architected a highly available **online learning platform** using the LAMP stack, delivering 99.99% availability for 3,000+ concurrent international users.
- Developed **SSO middleware** and APIs using PHP (Laravel/Lumen) with OAuth and LDAP integration.
- Maintained strict **HIPAA and FERPA compliance** standards across international data systems.

Software Development Engineer in Test (SDET) | Palo Alto Software | Eugene, OR

November 2010 – March 2012

- Engineered cross-browser automated test suites in Java using **TestNG and Selenium WebDriver**.
- Implemented infrastructure monitoring and CI/CD workflows using Jenkins and CloudFormation.

Senior Systems Implementation Engineer | Lumigent Technologies | Acton, MA

October 2005 – November 2008

- Deployed auditing and rule enforcement systems for **SOX, HIPAA, and PCI compliance** on Oracle RAC and MSSQL clusters.
- Managed technical projects and documentation for mission-critical systems at global financial and healthcare institutions.

Education & Certifications

Western Governors University | *Currently Enrolled Full-Time* BS in Computer Science (or relevant degree name)

Coursera Specializations

- **Advanced Machine Learning on Google Cloud** (2021)
- **Deep Learning** (2020)
- **Data Engineering with GCP** (2019)