

# RIKESH PURI

Software Developer | Full Stack Engineer | IAM Specialist ■ rakeshpuri@gmail.com | ■ 510-329-4411 ■  
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## Professional Summary

Full Stack Software Engineer with over 8 years of experience in developing scalable web applications using Java, Angular, and Python. Proficient in integrating Identity and Access Management (IAM) solutions, including PingFederate, PingAccess, and PingOne Protect. Demonstrated expertise in building secure APIs, automating workflows, and delivering business-driven solutions in agile environments.

## Technical Skills

Languages: Java, Python, JavaScript, SQL Frameworks: Spring Boot, Angular, Hibernate IAM Tools: PingFederate, PingAccess, PingOne Protect, PingDavinci DevOps: Docker, Jenkins, Git, Nexus Cloud: AWS (EC2, ECS, S3, Secrets Manager, Lambda) Testing: JUnit, Selenium, Cucumber Databases: Oracle, MySQL Methodologies: Agile, Scrum

## Professional Experience

Info Sec Engineer | Fannie Mae, Virginia (Aug 2022 – Present) - Developed and maintained REST APIs using Java and Spring Boot for secure identity data retrieval. - Built a Python package for Device Code Grant authentication, facilitating CLI-based AWS token generation. - Led full-stack development of the Consent UI application, integrating with PingFederate for secure consent collection. - Automated data aggregation from PingOne APIs using Java applications scheduled via cron jobs. - Enhanced the Assist Application with features for secure credential uploads to AWS Secrets Manager and automated PingFederate onboarding. - Integrated PingOne Protect Risk Evaluation with PingAccess, tuning risk predictors for improved fraud detection. - Developed Python scripts for MFA adoption reporting from PingOne APIs. - Configured PingDavinci MFA workflows for flexible multi-factor authentication strategies. - Maintained and enhanced test automation frameworks using Cucumber for API and authentication flow testing.

IAM Engineer | GAP Inc., San Francisco, CA (Jun 2021 – Jul 2022) - Onboarded applications for SSO using PingFederate with SAML, OAuth, and OIDC protocols. - Created a Java Application to automate the PingFederate SAML and OIDC application onboarding. - Collaborated with application teams to implement secure authentication flows and troubleshoot SSO issues. - Authored OGNL expressions for dynamic attribute manipulation and configured Data Stores, PCVs, and adapters in PingFederate. - Standardized SSO configuration practices and created comprehensive system documentation.

Full Stack Developer | Freddie Mac, McLean, VA (Jul 2020 – Jun 2021) - Led server migration projects, including analysis, testing, and validation for critical in-house applications. - Developed scalable backend services using Java and Python, and supported frontend enhancements with Angular. - Automated operational tasks like log parsing and IP validation using Shell Scripts. - Created Autosys job schedules and supported CI/CD deployment using Jenkins and Docker.

Software Engineer | Dorothy A. Johnson Center for Philanthropy, Grand Rapids, MI (Sep 2017 – Dec 2019) - Built a full-stack web portal with Java, Spring Boot, Angular, and Oracle Database, automating

data ingestion and analysis for large CSV datasets. - Created materialized views in Oracle to optimize data calculations and reporting performance. - Documented application flows and database structures to support maintainability and knowledge sharing. - Improved user authentication flows, fixed bugs, and participated in manual testing for production readiness.

Junior Software Engineer | Alignstech Private Limited, Kathmandu, Nepal (Aug 2015 – Jul 2018) - Developed PHP-based web applications with MySQL-backed databases and automated renewal notifications via email. - Contributed to Android application projects through database design and development. - Led manual testing and QA, creating effective test cases and ensuring multi-platform application quality.

## Education

Master of Science in Computer Information Systems – Grand Valley State University, MI (Aug 2017 – Apr 2019) Bachelor of Science in Information Technology – Sikkim Manipal University, India (Aug 2013 – Jun 2016)

## Certifications

SAFE Agile

## Project

Machine Learning – Building image recognition models using small datasets. Project with React frontend, Python backend using OpenCV and TensorFlow.

## Volunteer Experience

Audio and Video Assistant | Big Data Ignite 2018 - Supported speaker presentations, managed audio equipment, and coordinated stage activities.