# **Full Name**

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**PROFESSIONAL SUMMARY**

Results-driven Software Engineer with 5+ years of experience developing scalable web applications and infrastructure automation workflows to enhance efficiency and security in fast-paced, Agile environments. Proven expertise in Java, Spring Boot, REST APIs, Angular, and Cloud/DevOps technologies, with strong analytical, problem-solving, and debugging abilities.

**TECHNICAL SKILLS**

* **Programming Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS, Go
* **Frameworks:** Spring Boot, Spring, JPA, Hibernate, Angular, React, JUnit, Mockito
* **Database:** SQL (MySQL, PostgreSQL, Microsoft SQL Server), NoSQL (MongoDB, Redis)
* **DevOps Tools:** Git, GitHub, BitBucket, Maven, Chef, Jenkins, JIRA, Rally, Confluence,Artifactory, Postman
* **Cloud Technologies:** AWS (EC2, Lambda, S3, CloudWatch, SQS), VMware (vSphere, vRO, vRA), Docker

**WORK EXPERIENCE**

**Program Developer** | **Arizona State University**, Tempe, AZ **March 2024 – Present**

* Improved API functionality by developing robust RESTful APIs in **Java**, **Spring Boot** integrated with **MongoDB**, **MySQL**, **Kafka**, streamlining citation management, and file uploads, thus improving processing time by approximately 60%.
* Optimized user experience by building dynamic UI features and refactoring front-end codebase using **JavaScript**, **Thymeleaf**, **HTML**, and **CSS**, accelerating citation management tasks, and reducing code redundancy by 50%.
* Improved test coverage by 10% by implementing unit and integration tests using **JUnit** and **Mockito**.
* Collaborated in an Agile environment utilizing **JIRA** for task tracking and iterative development.

**Software Engineer II** | **MasterCard**, Pune, India **October 2021 – July 2023**

* Engineered Java-based microservices using **Spring Boot**, **REST APIs**, **XML/RPC APIs**, **Microsoft SQL server** and **Hibernate** to automate virtual machine (VM) decommissioning, reducing processing time by 85%.
* Revamped Windows Server provisioning using **Chef**, **PowerShell**, **vRealize Orchestrator (vRO)**, **vRealize Automation (vRA)**, and **JavaScript**, cutting build times from hours down to 30 minutes.
* Built automated pipelines leveraging **Bash**, **JavaScript**, **vRealize Orchestrator (vRO)** and **vRealize Automation (vRA)** for CyberArk account onboarding for Linux server, reducing task duration by 90% and related support tickets by 80%.
* Implemented CI/CD pipelines using **Git**, **Jenkins**, **BitBucket**, and **Artifactory**, accelerating software release cycles by 70%.
* Developed verification scripts in **Go** and **Ruby** to optimize VM builds, eliminating 80% of manual verification efforts.
* Led technical training sessions to enhance cross-functional teams' expertise in DevOps and automation best practices.

**Associate Analyst** | **MasterCard**, Pune, India **July 2019 – October 2021**

* Designed and developed a full-stack Data Center Infrastructure Management (DCIM) application using **Java**, **Spring Boot**, **Angular**, **HTML**, **CSS**, **TypeScript** and **SQL** **databases**, reducing infrastructure analysis time by 70%.
* Migrated from **Microsoft SQL** Server to **PostgreSQL**, scripting efficient data transfer, and optimized complex queries through indexing and custom SQL functions, improving response times for complex data retrieval by 60%.
* Built interactive floor maps, clickable cabinet visualizations, and detailed network diagrams using **Angular**, **D3.js**, and **amCharts**, significantly simplifying device management and enhancing troubleshooting speed by over 60%.

**ACADEMIC PROJECTS**

**Image Recognition Service on AWS *Technologies*:** Python, Flask, AWS EC2, AWS CloudWatch, AWS SQS, AWS S3, Redis

* Developed a scalable image recognition system using a pre-trained deep learning model on AWS **EC2**.
* Implemented an asynchronous image pipeline with **SQS** and auto-scaled **EC2** instances, improving system efficiency and handling high traffic, while storing processed images and extracted metadata in **S3**.

**Video Analysis Service in AWS *Technologies*:** Python, AWS Lambda, AWS S3, Docker, AWS ECR

* Developed a video analysis service that uses a pre-trained CNN model for face recognition.
* Implemented video-splitting and face-recognition tasks using AWS **lambda** **functions**, storing results in an **S3** bucket.

**PUBLICATIONS**

**Optimal and Event Driven Adaptive Fault Diagnosis Algorithm for Arbitrary Network** ([10.1007/978-3-031-37940-6\_7](https://doi.org/10.1007/978-3-031-37940-6_7))

* Developed an algorithm to detect faulty nodes in distributed networks, both periodically and when triggered by events like new node entry or re-entry of a repaired node, using minimal communication messages.

**EDUCATION**

**Master of Science in Computer Science August 2023 – May 2025**

Arizona State University, GPA: 3.96/4.00

**Bachelor of Engineering in Computer Engineering**  **July 2015 – May 2019**

Savitribai Phule Pune University GPA: 3.39/4.00