

ACHINTYA PILLAI

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Summary

Senior Manager and Tech Lead specializing in DevOps, cloud infrastructure, and CI/CD automation. Proven track record in leading engineering teams, integrating developer tools like Backstage, and enhancing productivity through automation. Proficient in cloud solutions, containerization, and observability practices.

EXPERIENCE

McDonald's Corporation – Sr Manager Tech Lead (Software Engineer DevOps) *March 2021 - Present / CA*

- Led the development and integration of Backstage (internal developer portal), boosting developer productivity by integrating our full stack end to end CI/CD pipelines, cloud monitoring, Observability dashboards and security metrics.
- Spearheaded CI/CD creation across 525 backend container application pipelines using GitHub Actions and Jenkins, achieving result by achieving 30% faster deployments.
- Managed containerized jenkins and backstage (a node.js and react application) applications with Docker and Kubernetes.
- Implemented auto scaling cloud infrastructure on AWS, overseeing services like EC2, Lambda and ECS to support all our CI pipelines and our internal developer portal applications .
- Led a team of 8 engineers, mentoring junior developers and driving key projects such as Centralized CI/CD pipelines, DORA metrics, Internal Developer Portal, Push button deployments, multi-market deployments and Configuration management Revamp.
- Enhanced monitoring and observability through Datadog, reducing downtime by over 40% & improving incident response.
- Managed the migration of all our jenkins pipelines to GitHub Actions and our multi-market configuration system to new automated configuration management system while ensuring zero downtime during transitions.

Tesla Giga Factory (Panasonic) – Software Engineer *June 2020 - March 2021 / NV*

- Developed production REST API endpoints in Node.js for a large-scale distributed backend system.
- Built a test data pipeline to automate data collection and calculations for the QA team.
- Deployed ETL scripts using Python, R, Microsoft SQL, and Oracle.

Tesla Giga Factory (Panasonic) – Development Engineer *December 2018 – May 2020 / NY*

- Analyzed large unstructured datasets using Python and R in MySQL and MongoDB.
- Developed a time-series forecast model in Python to predict employee attrition.

Java Teaching Assistant – University at Buffalo *August 2016 – May 2018 / NY*

- Automated test case generation for student assignments, reducing manual grading by 90%.
 - Conducted labs and demos to teach object-oriented programming to 40 students.
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EDUCATION

University at Buffalo – Class of 2019

- M.S. Engineering (Data Science), GPA: 3.5/4.0

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- B.S. Computer Science, GPA: 3.2/4.0 (2018)
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SOFTWARE SKILLS

- Proficient in: Python, JavaScript, Node.js, HTML5, CSS, C#, Groovy, Shell, Kubernetes, Docker, Jenkins, GitHub Actions, AWS, Terraform, Ansible
 - DevOps Concepts: CI/CD, Docker, Kubernetes, Jenkins, GitHub Actions, AWS, Datadog, SonarQube, Veracode
 - Configuration Management: Ansible, Terraform
 - Logging and Observability: Prometheus, Grafana, Splunk
 - Distributed Data Systems: Hadoop, Redshift, Hive, Spark
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PROJECTS AND ACHIEVEMENTS

- Built CI/CD and software automation infrastructure to support high-volume regression for AI products.
- Developed full-stack applications to manage and configure a board farm consisting of 300+ motherboards and servers.
- Automated workflows using Python, Jenkins, GIT, BASH, Ansible, and third-party APIs.
- Planned, managed, and deployed client/server-based applications with complex server-side backends.