

# DHANA VEERAMACHANENI

+1 (812) 558-8470 | dhanalakshmi.vnvudl@gmail.com | Dallas, TX, USA | linkedin.com/in/dhana-veeramachaneni

## SKILLS

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**Cloud Technologies:** Microsoft Azure, Google Cloud Platform, AWS, Kubernetes, Terraform, Docker, IAM, EC2, S3, GCS

**Programming Languages:** Python, Java, Shell Script, PowerShell, YAML, Groovy, Go

**Development Tools and Environments:** Visual Studio, VS Code, PyCharm, JetBrains, JIRA, SQL Developer, Toad

**Software Development Methodologies:** Agile, Scrum, CI/CD, SDLC

**Testing and Quality Assurance:** Azure DevOps Test Plans, SonarQube

**Version Control:** Git, Azure Repos, BitBucket

**Database Management:** MySQL, Postgres, Snowflake, Liquibase, GoldenGate

**Monitoring and Configuration Management:** Datadog, Chef, Ansible, Informatica, Puppet

## PROFESSIONAL EXPERIENCE

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**Dallas, TX, USA**

*Sr DevOps Engineer*

*July 2022 - Present*

- Successfully migrated our services and web applications to Google Cloud Platform without data loss. Utilized Datadog, improving monitoring by 15% during this critical transition.
- Enhanced the setup and management of our Azure cloud infrastructure using Terraform and PowerShell, making resource creation and updates 20% more efficient.
- Developed CI/CD pipelines in Azure DevOps, speeding up testing and deployment by 30%, which made our releases more reliable. Integration of Postman for API testing has been crucial in this improvement.
- Added validation checks and automatic rollbacks to our deployment pipelines, reducing downtime and ensuring smoother operations when deployments face issues.
- Managed private npm packages in Azure DevOps, which sped up and stabilized our build processes by resolving access and versioning issues efficiently.
- Configured and deployed APIs via Azure API Gateway, ensuring scalability and security. Enhanced API testing and management using Postman and implemented effective tagging and versioning.
- Shared knowledge with the team about CI/CD, Terraform, and Azure DevOps, also covering data visualization tools like Power BI and Tableau, to onboard newer team members.
- Implemented stringent security checks in pipelines as per company policies and performed regular code reviews, enhancing early issue detection and system reliability.
- Fostered team collaboration and problem-solving through pair programming sessions, adhering to Agile practices to ensure timely project completion.
- Regularly engaged with clients to align on requirements and project goals, maintaining transparency and capturing feedback through frequent progress meetings.

### Mastercard Foundation

**Pune, MH, India**

*DevOps Engineer*

*January 2020 - November 2020*

- Installed and managed Jenkins on Linux, optimizing continuous integration and delivery pipelines which reduced build times by 10%.
- Enabled rapid infrastructure scaling to meet demand by automating server deployment using Chef and Ansible. This change streamlined the deployment process by 40%.
- Worked with hardware engineers and clients on real-time server swaps, minimizing downtime and quickly resolving issues to maintain system stability.
- Updated and automated the AMI deployment using CloudFormation to meet Mastercard's security standards, achieving consistent and secure setups.
- Enhanced the speed and consistency of cloud resource management by 35% using AWS CodePipeline and Terraform for infrastructure as code.
- Set up Docker containers for development and production, ensuring environment consistency and supporting workflow management.
- Configured IAM, EC2, and S3 on AWS, optimizing resource management for better cost efficiency and maintaining high security standards.
- Administered user accounts and roles on MySQL and SQL servers, ensuring proper access controls. Integrated automation features in Jenkins for better resource management.

**Wipro Technologies****Chennai, TN, India***Project Engineer**January 2018 - December 2019*

- Worked with various teams to ensure smooth operation of build and test systems in line with Agile practices.
- Developed Chef automation tools, reducing manual tasks by 50% and significantly speeding up workflows.
- Enhanced Jenkins to automatically create Docker containers for each GitHub branch, increasing the frequency of our continuous integration efforts by 20%.
- Managed AWS resources like EC2, S3, IAM, and ELB to ensure efficient cloud operations.
- Wrote Python scripts that improved the management of AWS resources, making our cloud operations more streamlined.
- Used Terraform and Python to automate provisioning, which simplified infrastructure management and improved task efficiency.
- Supported development and deployment workflows by effectively managing Docker containers and services.

**CERTIFICATIONS**

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AWS Cloud Technical Essentials - Amazon

Continuous Delivery &amp; DevOps - University of Virginia Darden School of Business

**EDUCATION**

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**Indiana University - Bloomington****January 2021 - May 2022***Master's, Computer Science**GPA: 4***GVP College of Engineering****September 2013 - May 2017***Bachelor's, Computer Science**GPA: 8.2*