

AMUDHA BALAMURUGAN

CLOUD PRACTITIONER

CONTACT

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LinkedIn: <https://www.linkedin.com/in/amudhabalamurugan>

Website: <https://devabm.github.io/digitalResume/>

GitHub: <https://github.com/DevABM>

Residence: Park Ridge, New Jersey

TECHSTACK

- Linux, Mac and Windows
- HTML, CSS, JavaScript, and
- BootStrap
- Python
- Gitlab, GitHub
- Jenkins
- Docker
- Kubernetes basics
- Terraform
- AWS EC2, S3, RDS, ALB, VPC,
- CloudFormation, CloudFront, Route 53, Certificate Manager, Billing, Cost Explorer, Amazon Aurora, DynamoDB
- MySQL

CERTIFICATIONS

Splunk Core User

AWS Certified Cloud Practitioner

AWS ReStart Graduate

LANGUAGES

Tamil

Hindi

English.

PROFILE

A highly motivated and aspiring DevOps Engineer with experience in automating software development lifecycle, implementing CI/CD pipelines, and managing cloud infrastructure. Proficient in Linux, Git, Python, containerization and orchestration technologies such as Docker and Kubernetes. Strong problem-solving skills and ability to work well in a team, currently looking for an opportunity as an AWS DevOps Engineer.

WORK EXPERIENCE

Junior Web Developer

Cloud City Partners 2022-present

- Assisted in the development and maintenance of websites and web applications.
- Collaborated with senior developers and other team members to implement new features or fix bugs.
- Ensured functionality and responsiveness of web pages.
- Learned and followed coding best practices and coding standards.
- Participated in code reviews and received constructive feedback.
- Troubleshooted and debugged issues that arose during development or testing.
- Keeping up with industry trends and new technologies to improve skills.
- Worked with design teams to convert UI/UX designs into functional web pages.
- Ensured the security and integrity of web applications.

Project - CI/CD

Cloud City Partners Feb 2023-Jun 2023

- Maintained the AWS infrastructure necessary to host the web page including S3 storage, Certificate Manager, Route53, and CloudFront.
- Implemented CI/CD pipelines to automate the process of building, testing, and deploying the web page code. Tools like AWS CodePipeline, AWS CodeBuild, and AWS CodeDeploy
- Monitored and configured alert services using AWS CloudWatch to track the performance and health of the web page and its infrastructure.
- Maintained comprehensive documentation of the infrastructure, configurations, and processes to facilitate collaboration and knowledge sharing within the team. Worked closely with the development team to understand the application's requirements, provide infrastructure support, and assisted with application deployment.

Mentee

AWS Silver Learning Program Feb 2023 - Jun 2023

- Selected as a mentee in AWS Silver Lining Program 2023 which is a virtual program that runs for 2 hours twice a week.
- Learned about AWS services and Linux commands in administrating system configurations.
- Maintained AWS account with credits and managed all the AWS services and the cost involved in running those services which we used for the learning that gave a real-time experience
- Created a Highly Available 3-Tier Architecture for Web Applications in AWS with VPC, Subnet Gateway, NAT Gateway, Route tables, Internet Gateway, and Application Load Balancer.

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EDUCATION

Bootcamp

Per Scholas

Newark, NJ

Feb 2022 - Jun 2022

Masters in Technology

National Institute of Technology Tiruchirapalli, INDIA

2003 - 2005

Bachelors in Engineering

Madras University

Chennai, INDIA

1995 - 1998

PUBLICATIONS

Article Name: Jenkins Q & A

<https://medium.com/@dev.am.balamurugan/jenkins-q-a-de91f9c20e61>

Article Name: Exploring Amazon EC2 and Installing a LAMP Server on Amazon Linux 2023

<https://medium.com/@dev.am.balamurugan/exploring-amazon-ec2-and-installing-a-lamp-server-on-amazon-linux-2023-4e91ea6f7905>

Article Name: Alert on IAM user Create or Delete

<https://medium.com/@dev.am.balamurugan/alert-on-iam-user-create-or-delete-681f291d5653>

WORK EXPERIENCE

Stay Home Mom

My Home 2012-present

- Successfully managed and organized household tasks, schedules, and activities for the family.
- Demonstrated responsible financial decision-making and resource allocation. Made critical decisions to ensure the well-being and happiness of all family members.
- Demonstrated emotional intelligence in understanding and responding to the needs of family members.
- Organized and executed family events, celebrations, and gatherings.

Assistant Professor

Amity University 2007-2012

- Performed a behavior analysis of students' psychological state and implemented appropriate behavioral adjustment plans
- Led a team of 6 faculty and students in various project work and set up the lab cost-effectively
- Coordinated with professors to handle various administrative duties. Attended faculty meetings to plan and deliver curriculum and instruction consistent with educational goals.

Lecturer

Sri Krishna College of Engineering & Technology 2006-2007

- Developed course syllabus outlining standards, material, grading, and progression of students
- Evaluated exam papers and developed detailed result analysis of the whole Institution highlighting the strengths and weaknesses that need to be focused Produced high-quality teaching material for supporting and developing student learning.

Intern

Siemens Information System Limited Jan 2005 - Jun 2005

- Implemented an algorithm on both Matlab and FPGA Xilinx boards to estimate the vehicle speed
- Worked closely with management to prioritize business and information needs. Acquired data from primary or secondary data sources for use in analysis and trending.
- Created reports and data-driven presentations.

Lecturer

PSNA College of Engineering & Technology 2001 - 2003

- Delivered course lectures using modern technology to enhance student comprehension
- Created instructional and lecture plans for classes in compliance with course objectives
- Evaluated student performance to ensure successful completion of courses. Referred students with learning difficulties or personal issues to support departments.