

# AMUDHA BALAMURUGAN

## CLOUD PRACTITIONER

### CONTACT

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

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

<https://github.com/DevABM>

Park Ridge, New Jersey

### TECH STACK

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

### 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 a 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.
- Kept up-to-date with the latest AWS services and best practices to continuously improve the web page's infrastructure and performance.

#### 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 administering 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

### CERTIFICATIONS

**AWS Certified Cloud Practitioner**

**AWS ReStart Graduate**

### PUBLICATIONS

**Article Name: Jenkins Q & A**

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



### 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.