

AMUDHA BALAMURUGAN

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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.

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

EXPERIENCE

Junior DevOps Engineer

CloudCity Partners

New York City, NY

Oct 2022 - Present

- Created Infrastructure by using Terraform and Jenkins Pipeline.
- Setup Jenkins master and slave for build and deployment.
- Setup Tomcat web application server on the slave server for deployment
- Used reference source coded integrated with Jenkins.
- Integrated the build tool Maven to get the WAR file for deployment.
- Uploaded Artifacts to Amazon S3 storage and maintained version availability.
- Deployed the web application to tomcat with freestyle job.
- Integrated web hooks to reflect the immediate changes of application.

Amity University

Assistant Professor

Noida, India

Dec 2007-Jan 2012

- Performed a behavior analysis on students' psychological state and implemented appropriate behavioral adjustment plans
- Ability to adapt at pivoting to different lesson plans, and dynamically switch directions very quickly in different classrooms
- 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 curricula and instruction consistent with educational goals.

Sri Krishna College of Engineering & Technology

Lecturer

Coimbatore, India

Feb 2006-May 2007

- Developed course syllabus outlining standards, material, grading, and progression of students
- Monitored office supplies and ordered new stationery, furniture, appliances, and electronics as required
- Evaluated exam papers and developed detailed result analysis of the whole Institution highlighting the strengths and weaknesses that need to be focused
- Maintained appropriate office hours for tutoring, student meetings and career counseling.
- Produced high-quality teaching material for supporting and developing student learning.

Siemens Information Systems Limited

Intern

Bangalore, India

Jan 2005–Jun 2005

- Developed image processing tools using Verilog and VHDL and deployed them on Xilinx
- 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.

PSNA College of Engineering & Technology

Lecturer

Dindigul, India

Feb 2001 - Aug 2003

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

EDUCATION

CERTIFICATION from AWS, LinkedIn Learning & eDX (Online courses)

- | | |
|---|-------------------|
| • eDX Verified Certificate for Introduction to Web Development with HTML5, CSS3, and JavaScript | <i>April 2023</i> |
| • eDX Verified Certificate for Introduction to Cloud Computing | <i>Jan 2023</i> |
| • AWS Certified Cloud Practitioner | <i>May 2022</i> |
| • Learning AWS CloudFormation - | <i>Jan 2023</i> |
| • Docker for Developers | <i>Jan 2023</i> |
| • Getting Started with DevOps | <i>Dec 2022</i> |
| • Career Essentials in Software Development by Microsoft and LinkedIn | <i>Dec 2022</i> |
| • Ansible Basic, Learning Git and GitHub, Learning Jenkins | <i>Nov 2022</i> |
| • AWS EDUCATE GETTING STARTED | <i>Jul 2022</i> |

- AWS Getting Started with Storage *Jul 2022*
- AWS Educate Introduction to Cloud 101 *Jul 2022*
- AWS ReStart Graduate *Jul 2022*
- Postman Student Expert Badge *Jun 2022*

PER SCHOLAS

Bootcamp Fundamentals of IT and Cloud Computing

Newark, NJ

Jun 2022

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPALLI

Masters in Technology in VLSI System,

Trichy, India

Jun 200

MADRAS UNIVERSITY

Bachelor in Engineering in Electronics and Communication Engineering

Chennai, India

Jun 1999

ADDITIONAL SKILLS

- Proficient in MS Office (Word, Excel, PowerPoint)
- Fluent in English, Tamil, and Hindi
- Continuing Education
- Instructional Strategies
- Evaluations and Assessments
- Training and Development
- Technology Implementation
- Researching Knowledge
- Proficient in Engineering Drawing using draw.io