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, and 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 junior DevOps Engineer.

SKILLS:

- Platform : Linux , Mac and Windows
- Version control : Git
- Continuous Integration : Jenkins
- Build Tool : Maven
- Configuration Management : Ansible
- Containerization : Docker
- Container Orchestration : Kubernetes basics
- IAAC : Terraform
- Web App Server : Apache Tomcat
- Cloud :AWS EC2, VPC, ECS, EKS, CloudFormation, CloudFront

EDUCATION

PER SCHOLAS   **Newark, NJ**
Bootcamp Fundamentals of IT and Cloud Computing   Feb 2022

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPALLI   **Trichy, India**
Masters in Technology in VLSI System,   *Jun 2005*
Honors: cum laude (GPA: 3.7/4.0)

MADRAS UNIVERSITY   **Chennai, India**
Bachelor in Engineering in Electronics and Communication Engineering   Jun 1999

CERTIFICATION

- eDX Verified Certificate for Introduction to Cloud Computing   Jan 2023
- AWS Certified Cloud Practitioner   May 2022

BADGES

- Learning AWS CloudFormation   Jan 2023
- Docker for Developers   Jan 2023

- Getting Started with DevOps   Dec 2022
- Career Essentials in Software Development by Microsoft and LinkedIn   Dec 2022
- Ansible Basic, Learning Git and GitHub, Learning Jenkins   Nov 2022
- AWS EDUCATE GETTING STARTED   Jul 2022
- 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

EXPERIENCE

DevOps CI/CD Project   *Park Ridge, NJ*
                                                                       Dec 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   **Noida, India**
Assistant Professor   *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   **Coimbatore, India**
Lecturer   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   **Bangalore, India**
Intern   *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   **Dindigul, India**
Lecturer   *Feb 2001–August 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.

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
- Engineering Drawing