Siva Keerthi Putluri

|541-913-1449|keerthi.aws.12@gmail.com| linkedin.com/in/psivakeerthi| github.com/putluris |

SKILLS

C | C++ | Java | Python | AWS | GoLang | SQL | PostgreSQL | MySQL | Linux | Unix | Windows | HTML | CSS | JavaScript | Figma | ReactJS | AngularJS | NodeJS | Typescript | Git | GitHub | Ansible | Puppet | DynamoDB | EC2 | S3 | Lambda | Restful APIs | Hadoop | Eclipse | JSON | Workflows | XML | Microsoft Visual Studio | CI/CD tools | Jenkins | Kubernetes | Docker | Communication Skills | Analytical Skills | Data Structures & Algorithms | Problem-Solving | Critical Thinking | Teamwork | Time Management | Jira | Bitbucket | UI/UX Microsoft Azure | TCP/IP | Scrum | Agile methodologies |Waterfall methodologies

EXPERIENCE

Strategic Resources International   *Sayreville, NJ Aug 2023 – Present*

AWS DevOps Engineer

- Designed and implemented CI/CD pipelines using Jenkins, resulting in a **40%** reduction in deployment time and a 30% increase in deployment frequency.
- Managed and automated infrastructure provisioning using Terraform and AWS CloudFormation, leading to a **25%** reduction in manual provisioning efforts and a **20%** improvement in infrastructure consistency.
- Deployed and managed Kubernetes clusters on AWS EKS and Azure AKS, increasing application scalability by **50%** and reducing downtime by **35%**.
- Developed Docker containerization solutions for microservices architecture, decreasing application startup times by **60%** and improving resource utilization by **45%**.
- Configured and managed CI/CD tools like GitLab CI/CD and CircleCI, increasing code integration and delivery efficiency by **35%**.
- Developed and maintained infrastructure as code (IaC) scripts for multiple environments, ensuring consistent and repeatable infrastructure deployments.
- Migrated on-premises applications to cloud platforms (AWS and Azure), resulting in a **30%** improvement in application performance and a **20%** reduction in operational costs.

(Tech Stack: Amazon Web Services (AWS), Azure, Continuous Integration and Continuous Delivery (CI/CD) Pipelines, Infrastructure as code (IaC), Jenkins, Terraform, AWS Cloud Formation, Kubernetes (EKS, AKS), Docker, Gitlab, Scrum, Jira)

Aspire Vision Tech Edu   *Hyderabad, India May 2018 – Nov 2018*

Cloud Engineer Intern

- Developed a dynamic e-Commerce web application from scratch using JavaScript and AngularJS, enhancing user experience and functionality.
- Leveraged HTML5 and CSS3 frameworks, including Bootstrap, to create a responsive and visually appealing user interface, reducing development time by **20%**.
- Collaborated with cross-functional teams, including designers and backend developers, to integrate front-end components with server-side logic, resulting in a **25%** increase in project delivery efficiency.
- Utilized AWS services, such as S3 for static content hosting and EC2 for application deployment, ensuring high availability and scalability of the web application.
- Developed reusable and modular components in AngularJS, reducing code redundancy by **30%** and improving maintainability.
- Participated in code reviews and collaborated with team members to ensure code quality and adherence to best practices, improving overall code quality by **15%**.

(Tech Stack: JavaScript, AngularJS, HTML5, CSS3, Bootstrap, CSS3 media queries, Flexbox API, Protractor, Lazy loading techniques, AWS, S3, EC2, Agile methodologies, FTP, FileZilla, Asynchronous data fetching, JIRA, Scrum, Git, Docker, Third-party APIs, Critical Thinking, Problem Solving, Communication, Collaboration, Time Management)

EDUCATION

Oregon State University, Corvallis, OR   *Sep 2021 – Jun 2023*

Master's in computer science

Related Courses: DBMS, Algorithms, Operating Systems II,   **GPA: 3.61/4.00**
Data Science and Machine Learning, Parallel Programming, Error
Correcting Codes, Computer Architecture, Software Engineering and
Human Computer Interaction, Computer Graphics, Computer Shaders

KL University, Vijayawada, India   *Jul 2017 – May 2021*

Bachelor of Technology in Computer Science [B.Tech CS]

Related Courses: Cloud Computing, Software Engineering, DBMS, Artificial Intelligence,   **GPA: 7.8/10.00**
Cloud Systems and Infrastructure, Java, Data Structures & Algorithms, Computer Networks

PROJECTS
***Full description and code available at LinkedIn/GitHub**

- **Cloud Computing based Learning Web Application through Amazon Web Services (AWS),** *Fall 2023*
  - ✓ Developed and deployed a dynamic E-Learning portal for engineering students using WordPress on AWS, leveraging 10 Amazon Cloud Services and Google Firebase, including Amazon RDS, SNS, Route53, S3, VPS, LightSail, Transfer Family, and IAM, to ensure robust and scalable infrastructure.
  - ✓ Optimized database management and real-time communication by configuring Amazon RDS for high availability and automated backups, and implementing Amazon SNS for push notifications, resulting in improved data reliability and increased user engagement.
  - ✓ Conducted Enhanced website performance and security using Amazon S3 for static content storage, Amazon Route53 for domain management, and IAM roles and policies for secure access management, achieving a 99.9% uptime and reducing load times by **40%**.

- **Johnson's-Rule-Based Genetic Algorithm for Two-Stage Task Scheduling Problem in Datacenters of Cloud Computing**, *Spring 2022*
  - ✓ Proposed and developed Johnson's-rule-based genetic algorithm for solving two-stage task scheduling problems in cloud computing data centers, improving scheduling efficiency and resource utilization.
  - ✓ Optimized performance and reduced costs by efficiently allocating resources based on specific task needs, achieving a **25%** reduction in operational costs and a **30%** improvement in task completion times.
  - ✓ Utilized AWS and Python to implement the algorithm, leveraging cloud infrastructure for scalable and efficient computation, and ensuring seamless integration with existing systems.
  - ✓ Employed FileZilla for secure file transfers, ensuring data integrity and security during the scheduling process, reducing data transfer errors by **20%**.
  - ✓ Conducted comprehensive testing and validation of the algorithm, demonstrating its effectiveness in real-world scenarios, and achieving a **90%** accuracy in task scheduling and resource allocation.

- **An approach in multicloud to improve data security**, *Spring 2017*
  - ✓ Constructed a comprehensive security strategy leveraging multiple cloud providers (multicloud approach) to enhance data security, ensuring redundancy, and reducing the risk of data breaches by **35%**.
  - ✓ Developed secure web interfaces using CSS, HTML, and JavaScript, ensuring user-friendly access while maintaining high-security standards, reducing vulnerabilities by **30%**.
  - ✓ Communicated effectively with stakeholders, ensuring alignment on security objectives and requirements, resulting in a **20%** increase in stakeholder satisfaction and confidence.
  - ✓ Implemented advanced security measures, such as encryption and multi-factor authentication, across multiple cloud platforms, significantly enhancing data protection and compliance with industry standards.

HONORS & AWARDS / TRAINING & CERTIFICATION
- AWS Certified Cloud Practitioner by AWS - *Mar 2024*
- AWS Certified (Solutions Architect, Developer, SysOps Administrator, Cloud Practitioner) by Udemy - *July 2023*
- AWS Solution Architect Associate - *Sep 2022*
- Introduction to Cloud Computing by SkillUP - *Aug 2022*

I hereby declare all the above information is true.