Gokul Venkatesan

Skilled in designing, programming, and managing quality software systems. Seeking a challenging environment to enhance skills and deliver measurable benefits to the organization.

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EDUCATION

Anna University, Chennai — *Bachelor's of Engineering in Electronics & Communication*
Graduated, May 2015

Jayarani Matriculation School, Salem — *High School in Computer Science*
June 2009 - May 2011

WORK EXPERIENCE

#3 Cisco Systems, Inc., *Bengaluru — Software Engineer.*
July 2020 - Present
As a Site Reliability Engineer (SRE), I optimize the performance and reliability of the infrastructure, ensuring its stability, scalability, and efficiency.

#2 Wipro Technologies, *Bengaluru — Senior Software Engineer.*
December 2020 - July 2022
Built and deployed an ETL pipeline framework with expertise in managing diverse data formats and streamlining processing workflows.

#1 Elait IT Technologies, *Chennai — Technology Lead.*
November 2015 - November 2020
Built full-stack web applications and REST API, specializing in design, development, and deployment of enterprise-level applications, with skills in UI/UX prototyping and managing cloud infrastructure.

SKILLS

Programming Language
Python · JavaScript · Shell Script
C · SQL/NoSQL · Node JS
Frameworks
Django · Flask · Falcon · React
Angular · Pandas · Matplotlib
Cloud Services
AWS · Azure · Docker · Firebase
Tools
Git · Figma · Postman · Colab

CERTIFICATION

✦ Azure AI Fundamentals

✦ Udemy: AWS Developer Associate Training DVA-C01

✦ AWS Technical Professional

✦ Microsoft Technology Associate - Fundamentals Of C#

PROJECTS

7. Cisco Catalyst SD-WAN Solution — Cisco Systems Inc., USA.
Championed automation scripts for health checks and performance monitoring. Collaboratively tackled complex WAN performance issues, boosting application uptime, robust configuration management, driving significant error reduction in the system and user experience. Built resilient infrastructure for multi-cloud SD-WAN solutions, ensuring high availability and disaster recovery.

6. Data Engineering — Apple Inc., USA.
Developing ETL pipelines for data sources, coordinating processes with workers, utilizing shared libraries, and a universal secrets manager. Employing MongoDB for queue and time-series data, monitoring pipeline metrics with Prometheus & Grafana, and visualizing target data on Tableau.

5. Scala Transformation Parser — *Santander Bank, London, UK.*
Built generic parsers using Antlr4 to translate structured scala & spark transformation programs for data flow analysis or Lineage & code audit.

4. Digital Term Life Insurance — *Lifefy Crop., Miami, Florida, USA.*
Developed a robust web service REST API in Python paired with an Angular UI for seamless online life insurance provisioning. Interfaced with diverse APIs for pricing, payment gateways, e-signatures, etc. Efficiently managed data using MySQL.

3. Elait Business Portal — *Elait IT Technologies Pvt Ltd, Chennai.*
Design & build office productivity web apps with React to manage project & efforts, HR & finance management and integrating with Microsoft O365 services & Python REST API to manage the process flow.

2. Avance 360 — *Madras Dyslexia Association, Chennai.*
Digitize the existing workflow to capture the student's information across the various activities of dyslexic therapy while also enabling relevant information sharing across multiple stakeholders and reporting the student's progress.

1. Smart Report Cards — *Report Bee, Chennai.*
Developed a pilot system for educational progress analytics, using Python's Matplotlib library to visualize data from multiple Microsoft SQL Servers. The system tracks academic progression and holistic learning through student grades and teacher mentorship.