Naveen Umesh Badiger

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https://github.com/Naveenub/resume/blob/main/Resume%20Technical.pdf

Summary:-

Dedicated and results-driven Technical Associate with 2 years of experience in networking concepts, troubleshooting, software package testing, hardware and software debugging, scripting, API integration, cloud integration, SQL, database migration, Linux administration, JIRA management, and programming languages such as C and Python. Possess a solid foundation in electronics and communication, coupled with practical experience in technical support and engineering roles.

Technical Skills:-

- Networking Concepts
- Basic Troubleshooting
- Software Package Testing
- Hardware and Software Debugging
- Scripting (Bash scripting and shell programming)
- SQL
- AWS cloud
- API Integration(REST & SOAP), API Protocols (HTTP/HTTPS, MQTT)
- Database (MySQL, PostgreSQL, Oracle SQL, Microsoft SQL)
- Linux Administration
- JIRA Management
- Programming Languages: C, Python

Work History:-

Technical Associate Engineer, ZKTeco Biometrics Pvt Ltd, Bangalore (Oct 2022 – Present)

- **Software Package Testing**: Spearheaded comprehensive testing of software packages to ensure optimal functionality, reliability, and performance. Developed and executed rigorous test cases, documented results, and reported issues for prompt resolution.
- **Hardware and Software Debugging**: Utilized systematic troubleshooting and debugging techniques to identify and resolve complex hardware and software.
- **API Integration**: Successfully integrated third-party APIs into existing systems, enabling seamless communication and data exchange. Integration of custom API endpoints and protocols (REST, SOAP) to facilitate with external platforms and services.
- **SQL Database Migration**: Managed database migration projects involving various databases (MySQL, PostgreSQL, MongoDB, SQL Server). Planned, executed, and validated migration processes to ensure data integrity and minimal downtime.

Technical Projects:-

Project 1: Launch and Connect to an Amazon EC2 Mac Instance

- Launched and configured an Amazon EC2 Mac instance for development and testing purposes.
- Successfully connected to the instance using SSH and performed basic system administration tasks.
- Technologies: Amazon EC2, Mac OS, SSH

Project 2: Send an Email with Amazon SES

- Designed and implemented a serverless email sending solution using Amazon SES and AWS Lambda.
- Successfully sent a test email using the solution, demonstrating its functionality and scalability.
- Technologies: Amazon SES, AWS Lambda, Node.js

Education:-

Bachelor of Engineering
Electronics and Communication
Kls's VishwanathRao Deshpande Institute of Technology, Haliyal
Period of Study : July 2019 to July 2022
Percentage : 71.2%

Diploma
Electronics and Communication
K H Kabbur Institute Of Technology, Vidyagiri, Dharwad
Period of Study: July 2015 to Dec 2018
Percentage Secured: 73.52%

Education Projects:-

Design of VLSI System and Verification of Digital Circuits using Cadence Virtuoso Simulation Tool
May 2021 - Aug 2021

- Collaborated in a team of four to design a low-power ASIC for IoT devices, focusing on the physical design aspects including floor-planning, placement, and routing using Synopsys tools.
- Conducted extensive timing analysis to ensure that the chip meets the critical timing requirements, applying techniques learned in coursework.
- Performed DRC and LVS checks to ensure the design adheres to foundry rules, resulting in a design ready for fabrication.

University Project: IoT based Industry Security Automation using Raspberry-Pi
Oct 2021 – Feb 2022

- Implemented Raspberry Pi board with Wi-Fi module is as embedded device for sensing and storing the data in cloud.
- Implemented the embedded system with its components for reading and to store the pollution parameters in cloud.

- After sensing the data from different sensor devices, which are placed in particular area of interest. The sensed data will be automatically sent to the web server, when a proper connection is established with sever device. By entering IP address of server which is placed for monitoring we will get the corresponding web page.

Internship:-

Haegl Technologies Pvt Ltd, Dharwad
Specialization: Artificial Intelligence And Internet Of Things
Period: 01st September 2021 To 30th September 2021

Certificates:-

1. Introduction To Internet Of Things
2. Internet of Things with Python Programming
3. Fundamentals of Network Engineering
4. Complete Linux Training with Troubleshooting
5. Bash Scripting and Shell Programming
6. AWS Technical Essentials
7. Advanced Testing Practices Using AWS DevOps Tools

Course:-

1. Introduction of Network and Network security (Udemy)
2. AWS Fundamentals (Coursera)
3. DevOps on AWS Specialization (Coursera)