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**909 armstrong blvd,ocean,NJ-07712**

**Summary:**

* Over 3+ Years of specialized IT experience in Linux/Devops/Database Design, Development, Integration/ routing, switching, firewall technologies
* Good understanding and exposure to **Software Development Life Cycle**(SDLC).
* Implemented administration, maintenance, upgrading and monitoring of IT System and networks.
* Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like **Nagios.**
* Experience in diagnosing and resolving **TCP/IP** connection problems.
* Experience with cloud infrastructure of **AWS (Amazon Web Services)** and computing **AMI** virtual machineson **Elastic Compute Cloud (EC2).**
* Experienced in configuring Volume Management by using **Logical Volume Manager (LVM)** in Linux.
* Basic configuration of **Cisco routers**, hubs and switches.
* Comprehensive understanding of networking concepts for **LAN, security**, Networking devices administration, deployments and maintenance in multi-platform environments.
* A solid understanding of networking fundamentals; significant exposure in troubleshooting problems and increasing the uptime of system.
* Comprehensive knowledge of **CISCO** networking technologies and protocols.
* Knowledge and Experience in Communication protocols (CAN, UART, SPI, and I2C).
* Good Knowledge in Real **Time Operating Systems (RTOS)** .
* Extensive knowledge of Network System Engineering methods.
* Skilled in designing, planning and implementing **LAN/WAN** solutions.
* Good knowledge and Experience in creating Stored Procedures, views, tables, constrains.
* Wrote complex **stored procedures** to process employee’s requirement and generating.
* Worked on complex **T-SQL** statements, and implemented various codes and functions.
* Excellent analytical, problem solving communication and interpersonal skills.
* Quick learning capability, delivering solutions as an individual and a good team player.

**Education:**

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| **Master of Science** in Electrical Engineering , NPU, CA, Dec 2015. | **GPA 3.70** |

**Bachelor of Tech** in Electronics and CommunicationEngineering**(4 years)**, JNTU, INDIA, May 2014.

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| **Skills:** |  |  |
|  | Programming languages | C, Python,SQL, Matlab,verilog, |
|  | Specialization | Red Hat Linux 4.x/5.x, MYSQL, VMware, CentOs 4/5, Advanced Electronics, Serial communication, Ethernet, Optical transmission, Control Systems,VHDL,Simulink Analysis,Jenkins,chef,bash, Unix Shell Scripting, VMware ESX/vSphere, MySQL. |
|  | Development tools | MS-office, Xilinx, MSSQL, Tableau, Nagios. |
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**Work Experience:**

**MATHWORKS (Natick , MA) FEB 2015 – JUN 2016**

ROLE**: SYSTEM ADMIN**

Responsibilities:

* Responsible to maintain the efficiency of all the software and applications that run on **UNIX** system.
* Monitor the systems, processing unit, **Memory Storage**, network, etc and identify technical defects.
* Used **Nagios** as IT infrastructure monitoring tool ,monitoring host resources such as processor load, disk usage, system logs; monitoring applications, services, and network protocols.
* Build application and database servers using **AWS EC2** and create **AMI** as well for Oracle DB.
* Maintained User accounts and groups, setting up User environments in Linux.
* Removed, Installed, Upgraded, and queried software packages using **RPM** and **YUM**.
* Worked on version control using **Github.**
* Automate administration tasks through use of scripting.
* Resolve the user queries with regards to software and hardware functioning.
* Communicate the technical complexities to the non technical associates.

**Northwestern Polytechnic University (Fremont, CA)**

**System/ Network Administrator MAR 2015– Dec 2015**

* Department of Humanities and Social Sciences, NPU.
* As an assistant, helped the computer manager in maintaining the departmental network issues.
* Prioritized the trouble tickets/ requests and resolved issues in a timely manner
* Analyzed the domain privileges, network mapping of the users to provide administrative access based on requirement.
* Dealt with vendors to provide extensive support and optimized users’ computers for better performance.

**INTERNSHIP:**

EMBEDDED SYSTEMS (CMC INDIA) **APR 2013 - JUN 2014**

# Training:

* As an **Electronic bench technician** built the electrical circuit boards, PCB’s designed on various electronic tools for the research oriented implications.
* Provided support for passive to active sensor testing with a motion simulator, as well as controlling test equipment and data analysis through **MATLAB** and LabVIEW.
* Experience in Embedded Systems Design & Development in **Automotive** Infotainment & Telematics Domains.
* Optimized, analyzed and improved performance of GSM network per client specification.
* Good knowledge and Experience in Communication protocols (CAN, UART, SPI, and I2C).
* Good Knowledge in Real **Time Operating Systems (RTOS)**
* Involved in Generation of Use cases &/ Test cases and Preparation of defect report.
* Involved in testing the systems for practical field problems.
* Expert in handling Diagnostic components in software.
* Effective communication skills, good analytical abilities, and zeal in learning new tools and techniques.

**Academic Project Highlights:**

**PIC on 82C59A Micro Controller.** **Jul 2015-DEC 2015**

-Compiled VHDL code to assign priorities to various interrupts in programmable logic controllers using Xilinx tool.

# Solar Based Home Applainces: Jan2014-APR 2014

# -This project is used to design for usage of less power consumption where the home appliances controlled by solar system

# Automatic Fan Speed Controller using DC Motor AUG2012- JAN2013

-This project is to design to control the DC fan is used to reduce the over heat at high temperature zones in the industries.The microcontroller is used to operate the DC fan according to the inputs given through the temperature sensor.

**Peer-Peer Network Protocol for Efficient Subset: OCT 2011-JUL2012**

Explains about new technique in peer to peer network called plexus which is used to improve efficient searching mechanism and efficient method for advertising bit sequence. This project covers introduction to plexus technology with existing system features compared with proposed system features and hardware and software requirements.

**Certification:**

* EMBEDDED SYSTEMS.

**Honors**

* Graduate Assistantship throughout Master’s program
* President of IEEE student branch during under graduation
* Awards for a technical paper presentations in multiple national symposiums
* Qualified in British English Council examination
* National level Math and Science Olympiad rank

**Courses at NPU (**Master's degree, Electrical Engineering)

* Advanced Digital IC Design & ASIC
* Communication Circuits and Systems
* Mobile and Wireless Communication
* Digital Design and HDL
* Electro Mechanical Information
* Systems Analysis and Simulations Digital
* Computer Architecture
* Micro Electronics

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| * **Courses** |  |  |
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