

VARUN KUMAR

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PROFESSIONAL SUMMARY

Experienced IT Professional with over 14 years of hands-on experience in web development, Linux administration, and Python programming. Adept at managing complex IT infrastructures, ensuring seamless operation, and driving efficiency through automation. Proven ability to bridge the gap between system administration and web development, combining technical expertise with a strategic mind-set to deliver robust solutions. Skilled in AWS cloud services, server management, cybersecurity, and IT project leadership.

CORE SKILLS

Linux Administration (Ubuntu) | AWS (EC2, S3, RDS, VPC, Lambda, Route 53, Cloud Front) | Python Programming | Web Development (PHP, WordPress, Joomla) | MySQL | Server Management (Linux & Windows) | Network Configuration & Troubleshooting | Cybersecurity & Data Protection | Disaster Recovery & Backup | IoT & Industry 4.0 | Zabbix & PRTG Monitoring | cPanel/WHM | IT Budget & Vendor Management | Virtualization (EC2, VMs) | DNS Management

PROFESSIONAL EXPERIENCE

Web Administrator

Sep 2025 – Present

Central Institute of Indian Languages

Mysuru, India

- Supported DSpace 9.x digital repository platform, including installation, customization, and maintenance on Linux environments.
Manage web servers, hosting environments, and domain configurations.
- Managed PostgreSQL and MySQL database systems, including installation, configuration, backup, and performance tuning.
- Developed custom frontend interfaces using Angular, HTML5, XML, and SGML for Dspace 9.X
- Deployed and managed applications on Apache Tomcat 9 servlet engine, configuring server environments for Java-based web applications.
- Developed and maintained web applications using HTML5, CSS, JavaScript, PHP, and MySQL with REST API integrations.
- Handled metadata standards including Dublin Core and MARC 21 for digital library content management and cataloguing.
- Implemented digital library protocols such as OAI-PMH, Z39.50, and SOA for interoperability and content harvesting.

IT Manager

Jul 2024 – Sep 2025

Tadpole Engineering Consultancy

Chennai, India

- Manage and maintain hardware, software, networks, and servers across the organization.
- Manage web servers, hosting environments, and domain configurations.
- Implement disaster recovery and data backup procedures to ensure business continuity.
- Support the implementation of Industry 4.0 technologies, including IoT, machine learning, and robotics.
- Prepare and manage the IT department's budget, including procurement and maintenance costs.
- Evaluate and negotiate with vendors for IT services and equipment.
- Monitor and secure IT systems against cyber threats and data breaches.
- Lead IT projects, such as system upgrades and technology implementations.

Technician, Language Lab

Nov 2023 – Jul 2024

Central Institute of Indian Languages

Mysuru, India

- Provided guidance to Resource Learning Centers (RLCs) on the use, repair, and upkeep of Language Lab equipment.
- Ensured all electronic equipment and machinery in the Language Lab were maintained in working condition for staff, visitors, and trainees.
- Managed stock and storage of Language Lab spare parts, including overseeing annual maintenance contracts (AMCs).
- Supervised the operations and maintenance of the Language Lab section, ensuring efficient functioning and optimal use of resources.

System Engineer

Oct 2021 – Aug 2023

Aironics Media Pvt Ltd

Bangalore, India

- Deployed and managed virtual servers (EC2 instances), ensuring performance and security requirements were met.
- Utilized AWS Lambda for server management and code execution in the AWS environment.
- Configured and managed AWS services including S3 for object storage, RDS for databases, and VPC for network setup.
- Administered Linux and Windows servers for ISP services, including web hosting, email, and DNS.
- Managed server installation, configuration, and performance tuning across Linux and Windows environments.
- Troubleshoot hardware and software issues both remotely and on-site.
- Monitored system and network performance, taking proactive measures to maintain optimal uptime.
- Deployed and managed virtual machines, ensuring optimal resource allocation and performance.

Linux Administrator

Aug 2017 – Sep 2021

Alcantara Technologies

Kerala, India

- Configured and managed networking services such as VPC, Route 53 for DNS, and CloudFront for content delivery.
- Implemented and maintained security measures to protect AWS resources.
- Developed and maintained WordPress websites for clients across various industries.
- Configured and upheld the stability of Linux-based systems using Ubuntu.
- Executed system updates, patches, and backups to guarantee optimal system performance.
- Conducted regular firmware upgrades to maintain system integrity.
- Delivered proficient technical support and troubleshooting for Linux-related concerns.
- Monitored systems and networks utilizing Zabbix and PRTG Network Monitor.

Web Developer

Mar 2012 – Oct 2016

Janmabhumi Daily

Kochi, India

- Developed PHP-based websites with MySQL as the backend database.
- Provided extensive support for projects utilizing WordPress and Joomla platforms.
- Installed and configured Linux operating systems on servers.
- Proficiently utilized cPanel WHM for managing live domains.
- Managed website hosting, office systems, and network infrastructure.

System Administrator

May 2010 – Aug 2011

Digitaloid

Enathu, Adoor, Kerala, India

- Acted as the technical lead to proactively identify and implement effective solutions for IT service-related issues.
- Provided 1st/2nd Line support to clients and internal staff via telephone, remote access, and in-person interactions.

- Installed, upgraded, supported, and troubleshot Windows XP/7, Microsoft Office 2007, and authorized desktop applications.
- Managed service requests, software installations, new computer setups, and upgrades adhering to established standards.
- Configured access points and WiFi routers, ensuring optimal connectivity for clients.

EDUCATION

Master of Computer Application (MCA) <i>KVVS Institute of Technology</i>	2006 – 2009 Adoor, India
HDC & BM <i>Co-Operative College</i>	2005 – 2006 Kottarakkara, India
BSc, Mathematics <i>St. Stephen's College</i>	2002 – 2005 Pathanapuram, India

ACHIEVEMENTS

- Earned first place in the 2005 Inter-Collegiate Quiz Competition organized by TKM College of Arts and Science, Kollam.
- Achieved runner-up position in the 2004 Inter-Collegiate Quiz Competition held by MSN Institute of Management and Technology.
- Secured third place in the Inter-Collegiate Quiz Competition conducted by St. John's College, Anchal, 2005.