




DEVIKA ARUN

Senior Software Developer

Experienced Senior Software Engineer with 6+ years of expertise in a software development, I led the development of scalable, data-driven solutions focused on performance, reliability, and security. My work spanned backend architecture design, cloud integration, pipeline automation, and real-time analytics

 devika_aj@outlook.com

 Veldhoven, Netherlands

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WORK EXPERIENCES

○ Senior Software Developer

Linkshadow

Linkshadow, the next-generation cybersecurity solution that provides unparalleled detection of even the most sophisticated threats.

02/2023- 01/2024

JLT, Dubai

Achievements/Responsibilities:

- Led technical design and implementation of large-scale backend systems in Go, using advanced concurrency and performance optimization techniques.
- Architected and maintained CI/CD pipelines in **Azure DevOps** with YAML-based templates, standardizing deployments across dev, test, and production environments.
- Automated system provisioning and configuration using **Ansible**, increasing deployment consistency and reducing manual intervention.
- Managed cloud infrastructure across **Azure, AWS, and GCP**, supporting scalable deployment, monitoring, and disaster recovery.
- Developed custom **ETL job pipelines** integrating **Azure Blob Storage** and **Databricks**, automating data validation, job scheduling, and deployment via Python.
- Configured network security (routers, firewalls, VPNs, IPsec) and enforced secure Linux system practices.
- Enhanced an internal **custom SIEM** system using open-source tools, boosting threat detection and real-time analysis.
- Mentored junior developers, participated in code design reviews, and contributed to cross-team collaboration and knowledge sharing.
- Engaged in AI/ML experimentation and integrated simple AI models into automation workflows and existing systems.
- Worked with **embedded Linux**, creating monitoring tools and diagnostics in C and Go, and performing low-level system profiling and debugging.
- Created internal CLI tools in Go for developer productivity and automated deployments.
- Developed dashboards and monitoring tools for both operational and security analysis.
- Automated testing and validation using **Pytest**, reducing bugs and increasing code quality.
- Integrated external systems (SIEM, NAC, Firewalls) using REST APIs for smooth interconnectivity.
- Created shell scripts to automate recurring tasks, system checks, and error detection routines.
- Implemented deployment pipelines and unit testing within CI/CD using Azure DevOps.
- Maintained and debugged legacy Python scripts for SQLite3 data ingestion and system resource analysis.
- Participated in code reviews, agile sprints, and collaborated across teams to meet product timelines and quality standards.
- Gained experience in **virtualization** with KVM/VMware and hands-on work in **networking**, including TCP/IP, VPNs, MPLS, and subnetting.

○ Web Developer

Nintriva Technology Solutions

06/2017-11/2019

Kochi, Kerala, India

Achievements/Responsibilities:

- Developed responsive web interfaces using **HTML, CSS, JavaScript, jQuery**, and **Bootstrap**, enhancing cross-browser user experiences.
- Implemented and maintained back-end logic using **Python** and **Node.js**, with data storage in **MongoDB** and other NoSQL systems.
- Practiced **secure coding techniques**, with attention to session management, data privacy, and application performance.
- Utilized **Git** for version control and implemented **CI/CD pipelines** to support frequent and stable deployments.
- Conducted **unit and integration testing**, contributing to software reliability and reduced post-deployment issues.
- Documented software specifications, including functional and non-functional requirements such as availability, performance, and security standards.
- Performed regular website audits for content accuracy and system functionality to ensure optimal performance.
- Led a **team of 10 developers**, increasing office revenue by **200% within nine months**, accounting for **20% of the company's total revenue**.
- Promoted within one year for outstanding performance and leadership, accelerating my career trajectory.
- Applied basic **SEO principles** to improve website visibility and search engine performance.

○ Software Developer

Linkshadow

11/2020- 01/2023

JLT, Dubai

Achievements/Responsibilities:

- Designed and implemented scalable backend services in **Go**, focusing on high-performance data processing using goroutines and channels.
- Led development of modular and testable Python/Django applications, improving system flexibility and maintainability.
- Built microservices for **real-time log parsing and event correlation**, enhancing security monitoring speed and accuracy.

EDUCATION

- Bachelor of Technology (B-TECH)
LBS Institute of Technology for Women
06/2010 - 04/2015 Trivandrum, Kerala
Computer Science and Engineering
- Higher Secondary
cotton Hill GHSS
06/2008 - 04/2010 Trivandrum, Kerala
BioMath

ACADEMIC PROJECTS AND SEMINAR

- Mini Project on Student Management System.
- Seminar on "Human Computer Interfaces for Interaction with Surgical Tools In Robotic Surgery.
- Project on "Robust Watermarking of Compressed and Encrypted JPEG2000 Images" Image Processing.

PERSONAL STRENGTHS

- Ability to be cool when working under pressure.
- Interest in learning new technologies and frameworks.
- Interpersonal skills to lead and communicate with peers.
- Coordinate other workers to achieve departmental goals.
- Maintain a positive work atmosphere by performing and communicating in a manner that promotes good relationships with customers clients' coworkers and management.
- Conduct investigations; recommend changes and upgrades to equipment.
- Ability to effectively articulate technical challenges and solutions.
- Deal well with ambiguous/undefined problems; ability to think abstractly.
- Ability to prioritize tasks and quickly adjust in a rapidly changing environment.

ACHIEVEMENTS AND CERTIFICATES

- ROBOAVR-Robogenesis
Workshop on autonomous robots conducted by
ROBOGENESIS (2012) in association with Microsoft Robotics
Developer Studio 2008 RA
- Demisto Engineer: Building the Next Generation
SOC
Cortex by Palo Alto Networks
- Cortex XSOAR Analyst: Running the Next
Generation SOC
Palo Alto Networks
- Hardware & Networking - LBS Institute of Technology for
Women
First Class in "Computer Hardware & Networking" Course
conducted by LBS Institute of Technology for Women.
- Exceptional Performance Award
By Linkshadow

PERSONAL PROJECTS

- E-Commerce Websites
- Shopping Cart
- Personal Website
- Contributions to Open-Source Projects in GitHub

SKILLS

- HTML5, CSS, Bootstrap, Responsive Design Approach
- AJAX, JavaScript
- Cloud Platforms (Azure,GCP,AWS)
- Good understanding of Responsive Design
- Python, GoLang, Node.js, C, C++, Java
- Express Framework
- REST API Development, Continuous Integration
- Shell Scripting
- Ansible (Automation, Configuration Management)
- Version Control: Git, SVN
- MongoDB, NoSQL, SQLite3, Parquet, MySQL
- Redis, Msg Queue (ZeroMQ)
- Knowledge of Artificial Intelligence and Machine Learning principles
- Docker
- Networking: DHCP, DNS, IPAM, Port Scan, Network Scan, Vulnerability Scan
- Cyber Security: Knowledge of internet protocols and security principles
- Experience with Linux Systems, Ubuntu, Routers, and Hardware
- System Administration: Troubleshooting, resolving system issues, communication.
- Business Development, Microsoft Office
- Data Analysis, Administration
- Invoices, Prepare Reports, Vendor Management
- Mentoring, Team Lead
- Critical thinking, innovative solutions, meeting deadlines, multitasking
- Enthusiastic, organized, confident, and excellent coordination skills.

PERSONAL DETAILS

Nationality - Indian	Date of Birth: 02-09-1992
Visa Status: Resident	Marital Status: Married

LANGUAGES

English Professional Working Proficiency	Hindi Professional Working Proficiency
Malayalam Native or Bilingual Proficiency	Tamil Professional Working Proficiency