



Leeneksh Dubey

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Summary

Staff Software Engineer with 5.5 years of experience architecting scalable, resilient cloud and data platforms. Expertise spans distributed systems, AI/ML workloads, and cost optimization. Proven ability to lead cross-functional teams, drive strategic technology initiatives, and deliver high-impact projects generating measurable business value.

Professional Experience

Staff Software Engineer | Trellix (erstwhile McAfee Cybersecurity) | Bengaluru

- Designed and delivered a POC for custom LLM-powered intelligence workflow on AWS Bedrock, leveraging large-scale log analytics data to automate proactive threat detection and alert generation.
- Architected and implemented an end-to-end architecture of a distributed search and analytics system for the cybersecurity product (XDR) enabling ingestion of 70 billion events/day of security telemetry and powering large-scale investigative search workloads.
- Led the migration of the platform from self-managed Elasticsearch clusters to AWS OpenSearch, transitioning all enterprise customers with zero downtime and no service impact; collaborated across engineering, operations, and product teams to improve scalability, reduce operational overhead, and deliver \$3.1M+ in annual infrastructure savings.

Senior Software Engineer | Trellix (erstwhile McAfee Cybersecurity) | Bengaluru

- Architected and implemented a redesign of the platform's search and analytics infrastructure, migrating from legacy search systems to a scalable EMR and Snowflake-based architecture, resulting in 70x faster search performance and over \$800K in annual infrastructure cost savings.
- Architected and implemented a customer provisioning pipeline to segment customers based on data ingestion patterns, enabling a new usage-based pricing model and optimizing COGS. Successfully restructured 1,000+ B2B customer accounts according to ingestion and data consumption characteristics, supporting improved profitability and operational efficiency.
- Architected and scaled a resilient, multi-region cloud platform serving 2,000+ enterprise customers across North/South America, Europe, Japan, Singapore, and Australia, ensuring high availability, operational excellence, and cost-efficient performance while supporting multi-tenant architecture workflows.
- Drove infrastructure standardization by developing reusable Terraform modules, Kubernetes Helm charts, and GitHub Actions CI/CD pipelines, improving deployment consistency, operational reliability, and engineering productivity.
- Led annual SOC 2 compliance initiatives for the platform, partnering with security, engineering, and audit stakeholders to implement and validate controls, successfully passing internal and independent third-party audits.
- Owned the end-to-end Disaster Recovery (DR) strategy, testing, and validation for critical cybersecurity platforms, ensuring business continuity and resilience requirements were independently verified through external audits.
- Drove audit readiness and compliance efforts supporting FedRAMP-aligned regulatory requirements, enabling the platform to meet security, availability, and operational standards required for U.S. federal and enterprise customers.

Software Engineer | Trellix (erstwhile McAfee Cybersecurity) | Bengaluru

- Drove strategic cost optimization initiatives across AWS and Elasticsearch infrastructure, delivering \$1.8M in annual COGS savings through architecture optimization, resource right-sizing, and operational improvements while maintaining uninterrupted service for 1,500+ enterprise customers worldwide.
- Architected and automated end-to-end deployment and release pipelines for application services, infrastructure provisioning, and critical production hotfixes, enabling faster and more reliable software delivery across the organization.
- Owned Kubernetes platform operations and observability initiatives for four production products, implementing standardized deployment practices, monitoring, alerting, and operational controls that improved system reliability, scalability, and engineering efficiency.

Associate Cloud Engineer | Wolters Kluwer | Chennai

- Led initiatives that improved cloud governance, automation, and operational efficiency across AWS and Azure environments, enabling scalable infrastructure management for enterprise applications.
- Built a centralized enterprise platform providing leadership teams with greater visibility into cloud assets, compliance posture, and operational health across multiple cloud providers and business systems.
- Drove automation and standardization efforts that reduced manual processes, accelerated deployments, improved reliability, and supported the organization's broader cloud transformation strategy.
- Partnered with cross-functional teams to enhance disaster recovery and business continuity capabilities, ensuring critical systems remained resilient and recoverable during major operational events.
- Led disaster recovery validation efforts for critical business applications and data platforms, ensuring systems could recover successfully during outages and strengthening overall business continuity readiness.
- Prepared and automated the product's entire regression test suite for functional releases, spanning application to full-stack integrations supporting the entire data flow.

Education

B. Tech., Information Technology — *Vellore Institute of Technology, Vellore (2016-2020)*

Accomplishments and Awards

- **Extreme Ownership Award** — Received for saving \$3 million in overall product infrastructure and operational costs, stabilizing the product, training the engineering team for SLAs, and standardizing operational runbooks for the entire team at Trellix.

- **AWS Published Blog and Case Study** —

Blog: <https://aws.amazon.com/blogs/big-data/trellix-achieved-35-cost-savings-and-enhanced-security-with-amazon-opensearch-service/>

Case Study: <https://aws.amazon.com/solutions/case-studies/trellix-case-study/>

License & Certifications

AWS Certified Cloud Practitioner

AWS Certified Solutions Architect – Associate

HashiCorp Certified: Terraform Associate

Co/Extra-curricular

- **Strategy, Serving Nicely Foundation** — A Non-Profit Organization working in the field of social justice and youth empowerment; successfully onboarded multiple students year-on-year to Jawahar Navodaya Vidyalaya, targeting socially and economically backward gifted students who lack access to accelerated learning due to financial and social constraints.