SANTHOSH THIRUPPATHI

Tamilnadu,
India | santhoshsand@gmail.com | +91 9962666001 | https://www.linkedin.com/in/santhoshthirupathi

SENIOR SOFTWARE ENGINEER | TECH LEAD - JAVA SPRING BOOT, CLOUD & KUBERNETES | ENTERPRISE DATA SYSTEMS

Senior Software Engineer with a decade of experience in backend data,0 enterprise application development, driving DevOps automation, cloud infrastructure and a proven leader in AWS, CI/CD and production operations. Delivered cost savings, operational excellence, and scalable solutions that support millions of global customers. Recognized for mentoring teams, resolving mission-critical incidents and building automation tools that improved productivity and reduced deployment effort and enhanced system reliability.

CAREER HIGHLIGHTS

- Improved Productivity through automation
- Infrastructure Cost saving through devops
- Achieved revenue growth by retaining customers through data analysis and applied offers requests
- Retained customers through data analysis and applied offer requests
- Took ownership of the task assigned and improved quality and performance
- Created dashboards for monitoring the production releases and data mismatches
- Mentored junior engineers on automation and operational best practices
- Coordinated with cross-functional teams to resolve critical production incidents
- Participated in root cause analysis and post-incident reviews
- Drove operational excellence initiatives that reduced manual effort and improved service reliability

KEY STRENGTHS AND CAPABILITIES

- **Core Backend:** Java | Spring Boot | RabbitMQ | REST Api | Hibernate
- **Cloud & DevOps (IaC):** AWS (EC2, Secret Manager, KMS, Security Group ,VPC,RDS) | Terraform | Ansible | Docker | Kubernetes
- **CI/CD & GitOps:** GitLab CI | ArgoCD| TeamCity | Git
- **Data & Analytics:** Bash Shell Scripting | PostgreSQL | Oracle | Splunk | SumoLogic | DataDog
- **Tools:** Cursor AI | Eclipse | Excel (Advanced)
- **Others:** Jira | Confluence

WORK EXPERIENCE

NortonLifelock/Gen Digital, Remote, India **August 2015 - July 2026**
Senior Software Engineer
Spearhead the automation, development, and operational stability of large-scale, mission-critical subscription and licensing platforms serving millions of global users. Bridge the gap between software engineering and cloud infrastructure by leveraging AWS, Terraform, Docker, Kubernetes, and Spring Boot microservices to containerize applications, modernize legacy workflows, and ensure 24/7 business continuity.

- **Distributed systems architecture:** Architected and scaled high-throughput Java Spring Boot microservices handling core licensing and billing data synchronization for millions of globa subscripbers and maintaining 99.9% platform availability
- **Cloud migration and Containerization**: Led the legacy-to-cloud modernization strategy by containerizing core backend systems using **Docker** and **Kubernetes**, transitioning application deployment onto **AWS** infrastructure.

- **Infrastructure as Code (IaC)**: Eliminated maual provisioning errors by authoring declarative **Terraform** scripts and **Ansible** playbooks, automating environmet creation and cutting infrastructure deployment times by 90%
- **Data Integrity & Automation**: Engineered automated reconciliation engines using Java and Bash scripting to dynamiclly audit cross-system discrepencies, effectively reducing critical billing data mismatches by 98%
- **CI/CD Pipeline Engineering:** Designed and managed robust GitLab CI and ArgoCD GitOps workflows, enabling seamless progressive delivery, automated testing and zero-downtime microservice deployments.
- **Lead and support large-scale subscription** and licensing platforms serving millions of customers globally, ensuring operational stability and business continuity.
- **Enabled seamless integration across multiple enterprise applications** and supported highly concurrent, scalable workloads.
- **Automated audit reporting process** using Java and Apache POI which lessened report generation effort by 95% and improved reporting accuracy.
- **Developed automation solutions** using Bash Shell scripting to streamline operational analysis, data validation, and issue resolution, reducing manual effort by 90%.
- **Implemented and maintained monitoring dashboards and operational alerts** with Splunk, Sumo Logic, and Datadog. Enhanced system health monitoring accuracy by 95%
- **Implemented secure credential management solutions** using AWS Secrets Manager and AWS KMS, strengthening security controls and compliance across automation tools, containers, and applications.
- **Participated in production support, release monitoring, troubleshooting, root cause analysis** and continuous improvement initiatives to enhance platform reliability and operational efficiency.
- **Coordinated with cross-functional engineering, product, and support teams** to deliver scalable solutions and reduce production issue resolution time by 50%

TechMahindra, Chennai **February 2014 - June 2015**

Software Engineer

Engineered and optimized high-performance eCommerce web applications for AT&T's global platform. Focused on frontend architecture, modular component design, and full-lifecycle application delivery, collaborating with cross-functional product and design teams to build scalable digital solutions that enhanced user engagement and streamlined the development lifecycle.

- Developed and maintained customer-facing eCommerce web applications for AT&T utilizing Adobe CQ5 (AEM), AngularJS, JavaScript, HTML, CSS, and jQuery to deliver seamless, responsive user experiences.
- Built reusable web components and templates using Adobe CQ5, significantly streamlining front-end workflows, improving development productivity, and reducing implementation effort by 80%.

Pantech Solutions Pvt.Ltd, Chennai **January 2012 - February 2014**

Software Engineer

Led the Java development team and built solutions using Java, Servlets, JSP, Struts, JavaScript, Android, and MySQL for IEEE related project implementations and proof-of-concept applications. Participated in requirement gathering, application design, coding, testing, debugging, and deployment activities

- Created reusable components using Java and reduced development effort by 50%

EDUCATION

B.Tech in Information Technology (2007 - 2011)

DR.NAVALAR NEDUNCHEZHIYAN COLLEGE OF ENGINEERING, Tamilnadu