YASHWANTH PINDI

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OBJECTIVE

Results-driven Software Engineer with experience across Amazon Web Services (AWS), Mercedes-Benz, Bosch, and Goldman Sachs. Adept in architecting secure and scalable AWS cloud infrastructures using IaC tools. Proven expertise in cloud security, CI/CD pipelines and Docker. Strong understanding of IAM, SSM, and compliance best practices, with hands-on DevSecOps automation that improves time-to-market and operational resilience.

SKILLS

AWS	Elastic Container Registry (ECR), SSM (Systems Manager), EC2, API Gateway. CloudTrail, CloudWatch, DynamoDB, Route 53, Lambda, IAM, Step Functions,
Infrastructure as Code	AWS CloudFormation, Terraform
DevSecOps and CI/CD	Jenkins, GitLab CI/CD, GitHub Actions, Docker, Kubernetes.
Security and Compliance	AWS IAM Policies, Security Best Practices
Programming Languages	Python, C, C++, PostgreSQL, TypeScript, Shell Scripting
Other Tools	Git, Red Hat Linux, Atlassian (JIRA, Confluence), Qt, UML

EXPERIENCE

Systems Development Engineer — October 2025 - Present
Amazon Web Services (AWS) — *Dublin, Ireland*

- Operated and enhanced a large-scale network monitoring service hosted on ECR using Zeek (network traffic analysis) and Suricata (IDS engine), enabling deep packet inspection, signature-based detection across enterprise and production network fabrics.

- Modernized legacy logging infrastructure by upgrading syslog-ng from v3.17.2 (2018) to v4.10.2 (2025) across containerized deployments, eliminating accumulated security debt, improving protocol support and performance.

- Led remediation of 27 high-severity dependency vulnerabilities by performing CVE analysis, upgrading libraries, validating breaking changes, all aligned with AWS security standards.

- Automated AWS account onboarding and permission propagation using CloudFormation and IAM policies, eliminating manual configuration overhead and enabling scalable multi-account governance.

- Built secure, least-privilege IAM role architectures and cross-account access patterns, strengthening service isolation and reducing blast radius across production workloads.

- Designed incident response playbooks and built CloudWatch alarms for critical microservices.

- Participated in root cause analyses (RCAs) and post-mortem documentation for high-severity outages.

Software Development Engineer (Work-Study) — December 2023 - September 2025
Mercedes-Benz MBition — *Berlin, Germany*

- Automated CI/CD processes using Jenkins and shell scripting, accelerating software delivery cycles.

- Enhanced software validation to identify critical defects early and reducing merge request times, leading to faster market readiness on V/SOME-IP communication systems.

- Performed detailed logs analysis to validate software functionality, identifying and troubleshooting.

- Configured centralized monitoring via CloudWatch, CloudTrail, and alarms for real-time observability.

- Participated in root cause analyses (RCAs) and post-mortem documentation for high-severity outages.

Senior Software Developer August 2021 - August 2023
Bosch Global Software Technologies *Bangalore, India*

- Strengthened security in network communication environments by validating routing behavior, message handling, and communication efficiency across interconnected systems.
- Supported system design for embedded platforms handling critical communication between multiple systems in distributed automotive environments.
- Performed detailed testing and validation for vulnerability identification and risk reduction in automotive safety and security sensitive systems.
- Developed Python tools for firmware config management and test automation in ISO26262-compliant flows.
- Strengthened network security in the communication environments by validating routing behavior, message handling, and communication efficiency across interconnected systems.

Software Development Intern January 2021 - July 2021
Goldman Sachs *Bangalore, India*

- Automated monthly data analysis of Interest Rate products using Python, reducing processing time from 3 hours to 5 minutes.
- Built a Python-based data extraction calculator to streamline transaction analysis of different Structured Trades.
- Created REST APIs using Python for real-time structured product insights, aligned with AWS cloud-hosted microservice architecture.
- Debugged and optimized SQL queries for high-volume datasets, reducing query execution times and improving data retrieval efficiency.

MY WEBSITE

Visit my self-hosted Website on AWS developed and maintained by me to learn more about my projects and skills:
https://yashwanthpindi.com/

EDUCATION

Master of Science in Professional IT Business and Digitalization, Hochschule fur Technik und Wirtschaft Berlin October 2023 - March 2025
Relevant Coursework: Cloud Computing, Data Science, IT Security, Mobile Computing and App Development, IoT.

Master of Business Administration (MBA) in Information Technology Systems Management, Narsee Monjee Institute of Management Studies, Mumbai June 2021 - May 2023
Relevant Coursework: Information Systems Management, IT Project Management, IT Risk Management, Business Analytics, Decision Science.

Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering and Minors in Computer Science, PES University August 2017 - May 2021
Relevant Coursework: Data Structures, Operating Systems, Database Management Systems, Design of Algorithms.

LANGUAGE

German   B2
English   C2
Kannada   Native