

Pavan Kalyan

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PROFESSIONAL SUMMARY

Full Stack Software Developer with experience in designing and delivering scalable, secure, and cloud-native applications across industries like finance, healthcare, and academia. Proficient in both frontend (React, Angular) and backend (Python, Java, Spring Boot, Hibernate) development, with strong expertise in building RESTful APIs, implementing OAuth2/JWT security, and optimizing SQL/NoSQL databases. Skilled in managing CI/CD pipelines using Jenkins, GitHub, and Docker, and deploying cloud infrastructure via AWS and Terraform. Known for translating complex business needs into robust technical solutions that ensure performance, scalability, and reliability.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, SQL, PL/SQL

frameworks: Spring, Spring Boot, Spring MVC, Spring Security, Hibernate / JPA

Front-end technologies: HTML5, CSS3, React.js, Angular, Node.js, Ajax, JSON, and XML

Databases and Data Management: MySQL, Snowflake, MongoDB, SQL Server, Oracle Database, NoSQL

Cloud Platforms and Services: Google Cloud Platform (GCP), Amazon Web Services (S3, EC2, Lambda, RDS), Azure, Firebase

CI/CD Tools: Jenkins, Maven, BitBucket, Git, Stash, uDeploy, Artifactory, Shell scripting
Other Tools: Docker, Kubernetes, WebSphere, WebLogic, Tomcat, Agile Methodologies

EDUCATION

GEORGE MASON UNIVERSITY | Master of Science

FAIRFAX, USA

Major in Data Analytics Engineering

Aug 2022 – May 2024

VIT UNIVERSITY | Accelerated Master's

VELLORE, INDIA

Major in Computer Science and Engineering

Aug 2017 – May 2022

PROJECTS

AIFormsInterface

- Developed a Java-based framework leveraging machine learning and NLP for IRS operations.
- Designed adaptive UI components using Angular and implemented REST APIs for data handling.
- Improved processing speed by 40% through optimized algorithms and system architecture.

Student Survey Application

- Architected a scalable survey platform using React.js and Node.js, hosted on AWS with Kubernetes orchestration.
- Implemented REST APIs and AWS RDS for efficient database management, ensuring high scalability.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- AWS Certified Solutions Architect - Associate
- AWS Certified Machine Learning – Specialty.