

Pranay G

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summary

Results-driven Full Stack Developer with 7+ years of experience in designing, developing, and deploying scalable enterprise solutions. Adept at building robust backend services and frontend applications while ensuring seamless API and microservices integrations. Expertise in AWS-certified solutions, including AWS (Lambda, ECS, RDS, Fargate, S3, EC2), workflow automation, and risk & controls management. Skilled in Node.js, React (preferred), Angular (latest versions), TypeScript, JavaScript, SQL, and Java (17+). Strong understanding of API development, OAuth, CI/CD pipelines (Jenkins, Git, GitHub, JFrog Artifactory), and containerization (Docker, Kubernetes). Experienced in designing and executing compliance workflows for SOX and non-SOX technology controls, optimizing risk management processes. Proficient in developing and maintaining frontend (React.js, TypeScript) and backend (Node.js, Python) systems, integrating REST APIs and microservices. Adept at working in cloud-based distributed systems, load balancing, auto-scaling, and serverless architectures (AWS Lambda, API Gateway, ALB).

- Proven success in creating scalable full-stack applications, ensuring optimal performance, security, and exceptional user experience.
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- Expertise in designing UI web applications using React.js (preferred) and Angular, with a focus on responsive and interactive interfaces using HTML, CSS, Bootstrap, JavaScript, and TypeScript.
- Extensive experience in developing SPAs using Virtual DOM principles, Redux for state management, and responsive web design.
- Strong backend development expertise in Node.js, Python, and Java (17+), ensuring seamless API and microservices integrations.
- Hands-on experience in workflow automation, designing and executing risk & controls processes for compliance, including SOX and non-SOX technology controls.
- Skilled in designing and maintaining RESTful APIs, integrating with microservices architectures, and leveraging AWS services such as Lambda, ECS, RDS, Fargate, S3, and EC2.
- Proficient in SQL, PostgreSQL, MySQL, and Oracle, optimizing database performance, queries, and indexing for efficient data processing.
- Strong understanding of CI/CD pipelines using Jenkins, Git, GitHub, and JFrog Artifactory, automating build and deployment pipelines for continuous integration and deployment.
- Expertise in containerization and orchestration using Docker, Kubernetes (ECS, EKS), and terraform to streamline cloud resource management and application deployment.
- Experienced in implementing security best practices, including Auth, IAM roles, and API security, ensuring secure authentication and authorization processes.
- Skilled in developing compliance workflows for governance and risk control management, enhancing security and regulatory adherence.
- Engaged in Agile/Scrum workflows, including sprint planning, retrospectives, and iterative development cycles to optimize team productivity.
- Participated in code reviews, providing constructive feedback to enhance code quality, maintainability, and performance.
- strong background in AWS cloud-based distributed systems, implementing load balancing, auto-scaling, and serverless architectures with AWS API Gateway, ALB, and Lambda.
- Experience with workflow automation tools and risk management solutions to support governance and compliance requirements.

Technical skills

Programming Languages: Java (17+), Python, JavaScript, TypeScript, NodeJS, Python, c, c++

Frontend Technologies:	React.js, Redux, HTML5, CSS3, Bootstrap
Backend Technologies:	Node.js, Spring Boot, Spring MVC, Spring Data, Spring Security, Spring Batch, Hibernate, Java EE (Servlets, JSP), RESTful APIs, SOAP, Microservices Architecture
Databases & RDBMS:	PostgreSQL, MySQL, SQL Server, Oracle, Snowflake, MongoDB
Cloud Platforms:	AWS (EC2, S3, RDS, Lambda, API Gateway, Fargate, ECS, CloudFormation, IAM, SNS, SQS, ALB, CloudWatch), Microsoft Azure, Google Cloud Platform (GCP), Oracle Cloud
Serverless & AWS Development:	AWS Lambda (Node.js, Python, Java), API Gateway, ALB, ECS (Elastic Container Service), Fargate
Messaging Systems and Event Streaming:	Kafka, RabbitMQ, JMS
Containerization and Orchestration:	Docker, Kubernetes (EKS, ECS), Helm, Terraform
Continuous Integration and Deployment:	Jenkins, GitHub Actions, AWS Code Pipeline, JFrog Artifactory
Version Control Tools:	Git, SVN
Testing Frameworks and Tools:	JUnit, Mockito, Cypress, Selenium, Postman, JMeter
Security and Authentication:	OAuth2, JWT, SSL/TLS, IAM Roles & Policies
Development Tools and IDEs:	IntelliJ IDEA, Eclipse, Visual Studio Code, NetBeans
Design Patterns and Architectural Styles:	MVC, RESTful, Microservices, Serverless Architecture, N-tier Architecture, Workflow Automation
Agile Methodologies:	Scrum, Kanban, Agile Development Practices
Shell Scripting & Linux:	Bash scripting, Linux commands, Workflow Automation
Data Movement & Integration:	Informatica, Snap Logic, AWS Glue, AWS Data Pipeline
Code quality and monitoring:	SonarQube, ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, AWS CloudWatch
Other:	XML, JSON, WebSocket, Multithreading, Workflow Automation, Risk & Compliance Controls, Design Patterns (GoF), Software Development Lifecycle (SDLC), Shell Scripting (Bash), AWS Security Best Practices, IAM Policies, AWS Config, CloudTrail

Professional experience

Full Stack Java Developer
Frost Bank

Aug 2023 – Present

Project description: Worked as a Full Stack Developer supporting the SOX Governance Team in managing compliance technology controls for both SOX and non-SOX risk frameworks. Designed and executed workflows to automate risk and controls processes, ensuring regulatory compliance and security best practices. Developed cloud-native solutions using AWS services such as Lambda, ECS, RDS, Fargate, S3, and EC2 to optimize performance and scalability. Built robust and secure API integrations and microservices to enhance workflow automation and compliance monitoring. Automated CI/CD pipelines to ensure efficient deployment processes and reduce operational risks.

Frontend:

- Developed dynamic and interactive user interfaces using React.js (preferred), Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, and Redux.
- Built reusable UI components to improve maintainability and scalability across multiple compliance-related applications.
- Implemented robust form validation, error handling mechanisms, and seamless navigation using React Router.
- Designed a workflow-driven UI to enhance user experience in risk management and compliance workflows.
- Developed real-time dashboards to visualize compliance controls, ensuring transparency and auditability.

Backend:

- Developed and optimized backend services using Node.js, Python, and Java (17+).
- Designed and implemented RESTful APIs for risk and control workflows, integrating microservices for compliance automation.
- Developed workflow automation solutions to support SOX and non-SOX compliance requirements.
- Implemented API security best practices, including OAuth2, JWT authentication, and AWS IAM roles for secure access.
- Integrated AWS RDS and PostgreSQL for efficient database management and compliance audit data storage.
- Implemented event-driven architecture using Kafka for real-time compliance alerting and risk monitoring.
- Automated API health checks, data migrations, and batch processing using Python scripts, improving system reliability

Cloud:

- Deployed microservices on AWS Lambda, ECS, RDS, and Fargate, ensuring high availability and performance.
- Automated infrastructure provisioning using Terraform and AWS CloudFormation for workflow-driven environments.
- Implemented CI/CD pipelines with Jenkins, GitHub Actions, and JFrog Artifactory, reducing manual deployment efforts.
- Utilized AWS CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana), and Prometheus for monitoring and logging compliance-related workflows.
- Designed AWS IAM policies and security best practices for managing access control and regulatory compliance.

Environment: Node.js, Python (FastAPI, Flask), Java (17+), React.js, Angular (latest), TypeScript, JavaScript ES6+, Redux, PostgreSQL, SQL Server, Snowflake, MongoDB, AWS (Lambda, ECS, RDS, Fargate, S3, API Gateway, CloudFormation, CloudWatch), Jenkins, GitHub Actions, JFrog Artifactory, Docker, Kubernetes (EKS, ECS), Kafka, RabbitMQ, Terraform.

Project Description: Worked as a Java Developer in the SOX Governance and Risk Control team, developing and maintaining backend microservices to automate risk and control workflows for compliance monitoring. Designed and implemented scalable RESTful APIs and microservices to support secure and efficient risk data exchange, leveraging AWS services such as Lambda, ECS, API Gateway, and RDS. Developed workflow automation solutions to enhance SOX and non-SOX control adherence, ensuring regulatory compliance. Built cloud-based distributed systems, optimizing performance, security, and availability for risk and control technology solutions.

Frontend

- Developed responsive web interfaces using Angular, JavaScript (ES6+), TypeScript, HTML5, and CSS3.
- Built reusable UI components to support compliance dashboards and risk monitoring applications.
- Implemented client-side validations and real-time data rendering to enhance user experience in governance applications.
- Integrated REST APIs for seamless data exchange between risk control tools and audit systems.

Backend

- Designed and implemented scalable RESTful APIs and workflow-driven microservices using Java (17+), Spring Boot, and Node.js.
- Developed risk management automation solutions for SOX and non-SOX compliance workflows.
- Implemented database transactions using Spring Data JPA and Hibernate, optimizing performance in PostgreSQL, MySQL, and Snowflake.
- Integrated OAuth2 and JWT-based authentication mechanisms to secure API access and enforce risk control policies.
- Built event-driven architecture using Kafka and RabbitMQ for real-time compliance alerts and risk processing.
- Automated backend API health checks, data validation, and audit reporting workflows using Python scripting.
- Developed batch processing solutions using Spring Batch to handle compliance data ingestion and reporting.

Cloud & DevOps :

- Deployed microservices on AWS Lambda, ECS (Elastic Container Service), and API Gateway for scalable risk management applications.
- Implemented CI/CD pipelines using Jenkins, GitHub Actions, and JFrog Artifactory, reducing deployment errors and improving release cycles.
- Managed containerized applications using Docker and Kubernetes (EKS, ECS) for streamlined deployment and scalability.
- Monitored application performance and compliance workflow execution using AWS CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana), and Prometheus.
- Designed AWS IAM policies and security best practices for managing access control in governance and risk systems.

Environment: Java (17+), Node.js, Python (Flask, SQLAlchemy), Spring Boot, Spring MVC, Hibernate, Angular (latest), TypeScript, JavaScript ES6+, Redux, PostgreSQL, MySQL, Snowflake, SQL Server, AWS (Lambda, ECS, API Gateway, RDS, Fargate, S3, CloudFormation, CloudWatch), Jenkins, GitHub Actions, JFrog Artifactory, Docker, Kubernetes (EKS, ECS), Kafka, RabbitMQ, Terraform, Agile, Scrum, JUnit, Mockito, LOG4J.

Clients name

South state bank

Jan 2020-Aug 2021

Project Description: Worked as a Java Developer supporting the SOX Governance and Risk & Control team in developing financial services applications that ensured secure transactions, customer data management, and regulatory compliance reporting. Designed and implemented microservices-based solutions using Spring Boot and RESTful APIs, integrating with financial risk management systems and third-party compliance tools. Developed workflow automation solutions to enhance risk and control processes while ensuring adherence to financial regulations. Optimized database performance for large-scale transaction processing, improving system scalability and data integrity. Implemented AWS-based solutions to enhance cloud security, monitoring, and high availability of financial applications.

Frontend

- Developed and maintained risk and compliance management dashboards using Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, and Bootstrap.
- Built reusable UI components for risk workflow automation, improving operational efficiency and compliance tracking.
- Implemented AJAX for real-time data synchronization, ensuring up-to-date financial transaction monitoring.
- Designed cross-browser-compatible UI components with a focus on accessibility and usability.
- Integrated form validation and client-side error handling to enhance security in financial workflows.

Backend

- Developed RESTful APIs and microservices using Java (17+), Spring Boot, and Flask (Python) to integrate with financial compliance systems.
- Designed and optimized financial risk and transaction data processing workflows using SQL Server, Oracle, and Snowflake.
- Implemented Spring Batch processes for handling large-scale transaction reporting and financial data reconciliation.
- Developed event-driven architecture using Kafka and RabbitMQ to facilitate real-time compliance alerts and risk monitoring.
- Integrated OAuth2 and JWT-based authentication to enforce access control for regulatory compliance.
- Utilized Java Collections API and multithreading to improve backend performance and concurrent transaction processing.

Cloud & DevOps:

- Deployed microservices on AWS Lambda, ECS, and API Gateway to support scalable financial workflow automation.
- Automated CI/CD pipelines using Jenkins, GitHub Actions, and AWS CodePipeline, reducing deployment risks and improving security.
- Managed containerized applications using Docker and Kubernetes (EKS, ECS) to enhance system reliability.
- Monitored application logs and financial risk workflows using AWS CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana), and Prometheus.
- Implemented AWS IAM policies and security best practices for managing risk and compliance workflows.

Environment: Java (17+), Python (Flask), Spring Boot, Spring MVC, Spring Batch, Hibernate, Angular (latest), TypeScript, JavaScript ES6+, Redux, PostgreSQL, Snowflake, SQL Server, Oracle, OAuth2, Apigee, AWS (Lambda, API

Gateway, RDS, Fargate, ECS, S3, CloudFormation, CloudWatch), Jenkins, GitHub Actions, AWS Code Pipeline, Docker, Kubernetes (EKS, ECS), Kafka, RabbitMQ, Terraform, Agile, Scrum, JUnit, Mockito, LOG4J.

Cyient

Jun 2023 – Dec 2019

Project Description: Worked as a Java Developer to develop and maintain an enterprise-level e-commerce platform with a focus on secure transactions, workflow automation, and compliance monitoring. Designed and implemented microservices-based solutions using Spring Boot and RESTful APIs to support risk management and control functions within financial workflows. Integrated AWS cloud services for scalable, secure, and high-performance deployment. Developed workflow automation tools for compliance reporting and real-time financial risk tracking. Ensured optimized backend performance with efficient database operations and caching mechanisms.

Frontend

- Designed and developed responsive and interactive UI components using Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, and Bootstrap.
- Used JSP and JSTL for real-time content rendering, ensuring seamless data synchronization with backend systems.
- Implemented reusable UI components for compliance tracking, improving efficiency in workflow automation.
- Ensured cross-browser compatibility and optimized UI performance using best practices in JavaScript and CSS.
- Integrated real-time risk assessment dashboards and compliance workflow tracking.

Backend

- Developed scalable RESTful APIs and microservices using Java (17+), Spring Boot, and Hibernate for seamless system integration.
- Implemented Spring MVC and Struts frameworks to manage request routing, validation, and backend logic.
- Designed and optimized database transactions, stored procedures, and indexing in SQL Server, Oracle, and Snowflake to ensure efficient data processing.
- Integrated OAuth2 and JWT-based authentication for secure API access and compliance adherence.
- Utilized Java Collections API and multithreading techniques to enhance backend performance and concurrent transaction processing.
- Implemented event-driven architecture using Kafka for real-time risk monitoring and alerts.
- Developed batch processing workflows using Spring Batch for automated compliance reporting.

Cloud & DevOps:

- Deployed microservices on AWS Lambda, ECS (Elastic Container Service), and API Gateway to ensure scalability and high availability.
- Automated CI/CD pipelines using Jenkins, GitHub Actions, and AWS CodePipeline to improve development efficiency and deployment security.
- Managed cloud infrastructure using Docker and Kubernetes (EKS, ECS) for seamless deployment and scalability.
- Monitored application logs and compliance workflows using AWS CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana), and Prometheus.

- Implemented AWS IAM policies, security best practices, and automated risk control monitoring solutions.

Environment: Java (17+), Spring Boot, Spring MVC, Struts, Hibernate, Angular (latest), TypeScript, JavaScript ES6+, JSP, JSTL, PostgreSQL, Snowflake, SQL Server, Oracle, OAuth2, Apigee, AWS (Lambda, API Gateway, RDS, Fargate, ECS, S3, CloudFormation, CloudWatch), Jenkins, GitHub Actions, AWS CodePipeline, Docker, Kubernetes (EKS, ECS), Kafka, RabbitMQ, Terraform, Agile, Scrum, JUnit, Mockito, LOG4J.

Education

Master's in computer science – Stevens Institute of Technology, Hoboken, NJ

Bachelor's in computer science - New Horizon College of Engineering, Bangalore, India.