

# PADMANABAN M

## Senior Developer

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Bengaluru, India



## SUMMARY

Senior Developer with over 9 years of experience in software development and cloud solutions, expert in AWS services and microservices architecture. My key achievements include improving payment speed by 50% and enhancing system performance by 60% at Delta Airlines, along with reducing operational costs by 30%. Seeking a Lead Java Full Stack Developer position, where I bring my software development and cloud solution skills to support your mission.

## EXPERIENCE

### Senior Developer

#### Delta Airlines

12/2022 - Present Bengaluru, KA

Enterprise Payments is a program offered by Delta Airlines, a major global airline

- Spearheaded development for Delta.com Enterprise Payments, optimizing payment processes, settlement, and enhancing system security
- Deployed services using AWS components like VPC Endpoint, S3 Buckets, NLB, and ALB for high availability and secure data handling
- Monitored system performance with CloudWatch and maintained transaction data integrity through DynamoDB and AWS Aurora
- Enhanced Delta Enterprise Payments by implementing scalable microservices architecture, resulting in a 50% increase in transaction processing speed and improved system reliability
- Led a cross-functional team to migrate legacy systems to a cloud-native architecture on AWS, achieving a 60% improvement in system performance and reducing operational costs by 30%
- Engineered NoSQL data solutions, incorporating Amazon DynamoDB to optimize Delta's customer data storage, resulting in a 40% reduction in retrieval times over 6 months
- Orchestrated migration from legacy RDBMS to Postgres DB, increasing query efficiency by 45% and reducing maintenance efforts
- Reduced cloud infrastructure costs by 15% through optimized AWS resource allocation.
- Achieved 99.9% application uptime by enhancing monitoring with AWS CloudWatch Alarms and implementing deeper health checks.

### Senior Associate

#### Cognizant Technology Solutions

10/2019 - 12/2022 Bengaluru, KA

Cognizant Technology Solutions is a provider of IT services and solutions

- Led the development and deployment of cloud-based applications for the Thermo-Fisher Digital Hub and Macy's Returns POD.
- Experience in deploying applications on cloud platforms, particularly with the Thermo-Fisher Cloud.
- Enhanced architectural designs, API documentation, and code quality via thorough peer reviews and test automation.
- Led cross-functional teams to successfully deliver enterprise-level projects using agile methodologies.
- Enhanced operational efficiency by 20% through the implementation of automated testing frameworks.

### Software Engineer

#### HTC Global Services

07/2016 - 09/2019 Chennai, TN

HTC Global Services Inc. is a global provider of Information Technology and Business Process Services

- Engineered solutions for TRRACS and CTCP platforms to ensure regulatory compliance and enhance transaction tracking.
- Implemented MVC architecture using Spring Framework, contributing to agile software development cycles
- Enhanced data processing efficiency by 50% within TRRACS and CTCP platforms

## SKILLS

Java 8	Python	TypeScript	
JavaScript	Spring Boot	Quarkus	
Angular			
Oracle	MySQL	PostgreSQL	
DynamoDB	AWS	EC2	EKS
S3	Jenkins	Docker	
Kubernetes	ROSA	Kafka	
Elastic Search	NoSQL		
Ping ID	GitLab CI/CD		
VPC Endpoint	S3	SNS	SQS
AWS Secrets Manager	Route 53		
Network Load Balancer	CloudWatch		

## KEY ACHIEVEMENTS



### Achievement at Delta Airlines

Improved Delta.com's payment speed by 50% and system performance by 60%, while cutting costs by 30%

## EDUCATION

### B.Tech in Information Technology

#### Prathyusha Engineering College

08/2012 - 05/2016 Chennai, TN

### HSC (12th STD)

#### St.Gabriel's Higher Secondary School

06/2012 - 05/2012 Chennai, TN

## LANGUAGES

### English

Proficient



### Tamil

Native

