

Bangalore,  
India

# Biswambar Pradhan

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## Languages and Technologies

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- **Programming Languages and Frameworks:** Java, Spring, Python, Nodejs
- **Cloud Services (AWS):** EC2, ECS Fargate, NLB, S3, Lambda, Glue, Athena, Step Function, Aurora Postgres
- **Infrastructure and Deployment:** CloudFormation, Terraform, Git, Maven, Bamboo, Spinnaker
- **Certifications:** AWS Developer - Associate, AWS Cloud Practitioner

## Employment

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<b>Software Engineer - II</b>	<b>JP Morgan Chase</b>	02/2023-Present
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Financial Transaction Tax Team

- Designed a Financial Transaction Tax application that optimized tax calculations across multiple EU markets (Italy, France, Spain), improving accuracy and compliance.
- Developed scalable CRUD REST APIs for trades and exchange rates, leveraging Java, Spring Boot, and AWS ECS Fargate.
- Developed a robust currency conversion algorithm utilizing ECB end-of-day exchange rates, ensuring precise conversions across all trades.
- Migrated AWS Lambda functions to ECS Tasks through AWS Step Functions for failure-retry mechanisms and SNS-based alerting.
- Built APIs and a user interface replicating AWS S3 Console functionalities, using Java, Spring, and React.
- Designed daily Batch jobs using Python, AWS Glue, Boto3, Athena and Step function which acts a bulk data source for the application.
- Integrated Spinnaker for automated deployment pipelines, reducing deployment time.
- Migrated AWS Lambda functions to ECS Tasks, enhancing reliability through AWS Step Functions for failure-retry mechanisms and SNS-based alerting.

<b>Software Engineer</b>	<b>Ernest and Young</b>	08/2021-02/2023
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US CDI Team, Fidelity International

- Built Eligibility Service API in Java and Spring Boot to validate trades within the US CDI platform, ensuring compliance and accuracy.
- Developed the Estimation and FX Charge API in Java/Spring Boot, supporting over 2.7 million Fidelity users in US stock purchases.
- Created AWS Infrastructure of API gateway and AWS Fargate using CloudFormation in a Blue-Green deployment model.
- Created APIs with Node.js, Express, and AWS Lambda to retrieve key financial data from IHS Markit.
- Created a Reconciliation application that compares data between 2 sources and sends the discrepancy as a Notification (SNS)
- US CDI resulted in trading more than £550K in one month.

<b>Software Engineer</b>	<b>Tata Consultancy Service</b>	06/2018 - 03/2021
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Hospital Beacon Tracker, General Electric

- Implemented an IoT-based tracking system to monitor hospital equipment, resulting in a 30 percent productivity increase.
- Migrated over 5 web applications, including servers and databases, from on-premises to AWS Cloud, reducing maintenance costs and enhancing scalability.
- Maintained Saleslogix CRM, a legacy product with 200+ daily user engagements, ensuring stability and user satisfaction.
- Delivered modules like Tickets, Engagements, and Order Processing within Saleslogix CRM, improving user experience and system functionality.
- Migrated all the Application Servers from Windows Server 2003 to Windows Server 2019.

## Education

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**Bhubaneswar, IN**
**Odisha University of Technology and Research(Aug 2014 - May 2018)**

- Bachelor of Technology (B.Tech), Electrical Engineering

**Bhubaneswar, IN**                      **Council of Higher Secondary Education**                      **(May 2012 - June 2014)**

- Secondary Education (Physics, Chemistry, Math)