# Dibyajyoti Pradhan

*Senior Software Engineer | Driving Development at HubSpot, Meta & Amazon*

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## Summary

Senior Software Engineer with extensive experience at HubSpot, Meta, and Amazon, specializing in Backend and Frontend Development. Expertise in system architecture, scalability, and performance optimization, with a proven ability to deliver robust, scalable solutions. Proficient in full-stack development, system design, and distributed systems, with strong skills in team leadership, cross-functional collaboration, and mentoring. Dedicated to driving innovation, solving complex challenges, and contributing to high-impact projects.

## Education

**Bachelor of Engineering in Electronics & Telecommunication Engineering**
*Jadavpur University*
2015 - 2019     *Kolkata, India*

**Higher Secondary (WBCHSE)**
*Krisnath College School*
2013 - 2015     *West Bengal, India*

**Secondary (ICSE)**
*Mary Immaculate School*
2013     *West Bengal, India*

## Skills

- **Languages:** C++, Python, Java, JavaScript, SQL
- **Frameworks:** React, React Native, Spring MVC, Google Guice
- **Web Technologies:** HTML, CSS, GraphQL
- **Tools:** Git, Docker, Kubernetes, Kafka, AWS
- **Databases:** MySQL, MongoDB, DynamoDB, Vitess DB
- **Other:** RESTful APIs, Backend Development, Microservices, Agile, System Design, Data Structures, Algorithms, OOP, Design Patterns

## Achievements

- **GenAI Implementation:** Introduced GenAI (Llama 2) for Ad Creatives in AMA, enhancing ad creative capabilities.
- **Innovation Award:** Received the "Most Innovative Award" at the Amazon Pay EDH Hackathon for pioneering a near-zero latency model for the Amazon Pay For Business App.
- **Scholarship Recognition:** Recognized with the Jagadis Bose National Talent Search Scholarship, selected as one of 56 scholars from over 3000 applicants from top-tier colleges.

## Experience

### HubSpot

**Senior Software Engineer**     07/2024 - Present
*London, United Kingdom*

- Spearheaded the design and implementation of Account Insights, enabling real-time recommendations, optimizing return on investment, and increasing user retention by 10%.
- Led a team of 4 engineers and provided mentorship to junior developers, driving team development and ensuring successful project delivery.

### Meta

**Software Engineer II**     04/2022 - 05/2024
*London, United Kingdom*

- Lead development of mid-flight recommendation flows, like Placements and Campaign Budget, within the Ads Manager App (AMA), resulting in a notable 0.04% increase in Meta's top-line revenue weighted adoptions and over 12,000 weekly resolutions.
- Achieve a remarkable 20% improvement in screen load times for 8 highly trafficked interfaces in AMA through efficient pre-fetching of relay queries, enhancing user experience.
- Revamp the duplication flow in AMA to align with ODAX objectives, resulting in a significant 14% increase in revenue and an 18% growth in ad duplications.
- Collaborate on implementing measurable enhancements, leading to improved performance metrics and increased user engagement within AMA.

### Amazon

**Software Development Engineer, 2**     10/2021 - 02/2022
*Hyderabad, India*

- Expanded user base of Amazon Pay for Business app by 5 million downloads and achieved a 4.3-star rating from launch. Improved app performance metrics by optimizing latency, enhancing user experience, and resolving operational inefficiencies.
- Engineered an innovative 'Offline Architecture' for the app, eliminating perceived latency and improving user experience.
- Streamlined crawler latency in Daily MIS Settlement Report, reducing processing time from 3 hours to 10 minutes, resolving delays for 70+ online and organized merchants.

**Software Development Engineer, 1**     07/2019 - 09/2021
*Hyderabad, India*

- Orchestrated the development of 18 major pages for the Amazon Pay for Business app.
- Played a pivotal role in a team of three, facilitating 5 million merchant engagements at launch.
- Provided mentorship to an SDE for promotion and an intern for a pre-placement offer, recognized with a promotion to Software Development Engineer-2.

**Software Development Engineer, Intern**     05/2018 - 07/2018
*Hyderabad, India*

- Developed automation for sequence generation in a tier-1 service, benefiting over 100 developer teams in Amazon.
- Created a comprehensive full-stack admin tool to monitor and manage sequence configurations in real-time.
- Successfully transitioned from internship to a full-time position, demonstrating strong performance and commitment to excellence.