

# Aditya Jindal

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## EDUCATION

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- **International Institute of Information Technology Hyderabad** Hyderabad, India  
Bachelor of Technology in Electronics & Communication Engineering May 2016

## SKILLS

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- **Programming Languages & Technologies:** Go, Python, Java, Kotlin, C++, AWS, Docker, Cell Based Architectures, Kubernetes

## PROFESSIONAL EXPERIENCE

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- **Inference Labs** Bangalore, India | On-Site  
Staff Software Engineer Jan 2023 - Aug 2023
  - Led the development of robust **data pre-processing pipeline** with inputs as **textual modality** supporting all internal machine learning models, driving efficiency across the AIML ecosystem.
  - Defined company-wide error analysis vision, leading AI-driven projects, resulting in **85%** faster B&I time.
- **Amazon Web Services** Seattle, WA | On-Site  
Software Development Engineer II May, 2021 - Oct, 2022
  - Improved **OpenSearch Alerting Plugin** by integrating job scheduler support, enabling users to monitor data ingestion and receive timely alert notifications. Enhanced test suite for **OpenSearch Index Management Plugin** by adding 48 integration tests.
  - Developed **HTTP-based Rust client** for OpenSearch Suite, facilitating customer onboarding with Rust backend.
- **Amazon Web Services** Palo Alto, USA | On-Site  
Software Development Engineer II May 2020 - May 2021
  - Contributed to **Opensource Elasticsearch plugins**, including **Performance Analyzer RCA** and **Performance Analyzer**, focusing on metrics collection, aggregation, and analytics. Utilized these plugins to lead and implement self-healing feature for AWS Elasticsearch in Java, enabling real-time detection and resolution of node and cluster issues.
  - Designed & implemented A/B testing framework for AWS Elasticsearch, enabling feature deployment on subsets and early feedback gathering.
- **Amazon Web Services** Bangalore, India | On-Site  
Software Development Engineer May 2017 - May 2020
  - Designed & implemented distributed throttling system to defend against DDoS attacks on AWS Elasticsearch Service, ensuring efficient prevention and mitigation.
  - Developed bastion server support for operator access to data plane, enhancing customer data protection with auditability & detailed logging of operator commands.
  - Successfully launched new instance support **i3 for AWS Elasticsearch service**, improving search and indexing latency for customers.
  - Redesigned and implemented cluster circuit breaker, monitoring disk space and JVM pressure to block writes during breaches for cluster stability.
  - Led design and implementation of containerized, high-throughput elastic task scheduler for monitoring a million instances of AWS Elasticsearch service. Directed system and architecture design of **distributed application master**, responsible for task monitoring, SLA management, & dynamic instance scaling.
- **Qualcomm** Hyderabad, India | On-Site  
Software Development Engineer July 2016 - June 2017
  - Contributed to modem development, focusing on mobility and session management modules for user equipment (mobile devices), resulting in reduced call drops and enhanced user experience.