

# Debabrata Shome *Software Engineering SMTS*

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📍 Hyderabad

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## ORGANIZATIONAL EXPERIENCE

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03/2021 – Present Hyderabad	<b>Software Engineering SMTS</b> <i>Salesforce</i>
03/2018 – 03/2021 Hyderabad	<b>Senior Release Developer</b> <i>Oracle</i>
12/2016 – 03/2018 Hyderabad	<b>DevOps Engineer</b> <i>Amazon</i>
09/2012 – 12/2016 Mumbai	<b>Senior Application Developer</b> <i>Tata Consultancy Services Limited</i>

## ACADEMIC QUALIFICATION

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2012 West Bengal, India	<b>Bachelor of Technology (Electronic and Communication Engineering)</b> <i>Techno India, Saltlake</i> securing CGPA of 8.47.
2008 West Bengal, India	<b>+2</b> <i>Sodepur High School</i> securing 82% marks.
2006 West Bengal, India	<b>10th</b> <i>Ramkrishna Mission Ashram Vidyalaya Narendrapur</i> securing 84% marks.

## SKILL SET

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<b>Operating Systems &amp; Containers</b> Unix , Docker, Kubernetes (CKAD Certified, CKA Certified)	<b>Language</b> Golang, Nodejs, Python, C, Bash Shell Scripting, groovy
<b>Cloud Infrastructure</b> AWS (Certified), Heroku, Oracle Cloud Infrastructure	<b>IaC</b> Terraform (Certified) , Ansible
<b>DevOps Tools</b> Git, Github, Github Actions, GitLab, Jenkins, CircleCI, Grafana, Prometheus, Splunk, Maven, JFrog, SonarQube, Yarn, NPM	

## Project Experience Details

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### Currently Employed with Salesforce as Software Engineering SMTS in Salesforce Analytics Cloud Platform Engineering Team

#### *Current Responsibilities*

- Contributed to infrastructure development, deployment, and release processes across 24 microservices and 1 monolith, operating at scale across 50+ Kubernetes clusters on Amazon EKS.
- Worked in Salesforce Analytics Cloud Platform Engineering Team, focusing on CI/CD, build automation, developer productivity, and artifact generation pipelines.

- Contributed to the reliability and availability of services by managing patching, vulnerability remediation, software releases, and implementing operational excellence practices.
- Spearheaded automation for operational productivity and led the EKS upgrade process across multiple environments.
- Took ownership of QA and Performance environments within Analytics Cloud, ensuring service stability and pre-prod validations.
- Served as the Trust Manager across all services and platform infrastructure, overseeing compliance and security best practices.
- Reduced AWS infrastructure costs by \$60K annually and improved build performance by 80%, boosting development efficiency.
- Increased daily release frequency through zero-touch deployment implementation and enhancements to deployment pipelines.
- Established robust CI pipelines with GitHub Actions and implemented comprehensive observability using AWS CloudWatch and a custom READS dashboard.
- Managed production Kubernetes deployments for content authoring and publishing services, ensuring scalability and resilience.
- Automated customer onboarding workflows, improving user experience and reducing manual intervention.
- Provisioned infrastructure using Terraform and authored custom Terraform providers in Go to support internal tooling.
- Demonstrated technical depth in Go, Node.js, Jenkins pipelines, Kubernetes, Docker, AWS, GitHub Actions, Heroku, and CircleCI.
- Submitted a patent on LLM Consensus (pending approval from Salesforce Patent Office).
- Actively participated in internal hackathons and published technical content on Medium to share knowledge with the broader community.
- Contributed to Dev on-call rotations, playing a key role in maintaining service reliability in production environments.

#### **Previously Employed with Oracle as Senior Release Developer in CPQ (Configure, Price, Quote) Product.**

##### *Previous Responsibilities*

- Contributed to the migration of the entire Oracle CPQ microservices to Oracle Cloud Infrastructure (OCI), including services such as Storage, Load Balancer, Registry, and Container Service, which modernized our infrastructure and improved scalability.
- Containerized the legacy system, enabling a more flexible and efficient environment that supports modern development and deployment practices.
- Developed a custom orchestration tool to manage containers effectively, improving operational efficiency and reducing manual intervention.
- Created tools for managing and installing development tools like Eclipse and Maven within the Development Environment, streamlining the setup process for developers.
- Automated the entire CI/CD pipeline using pipeline using Jenkins, significantly enhancing deployment speed and consistency across environments.
- Increased production release frequency by fully automating production release management, which allowed for more rapid iteration and deployment of new features.
- Conducted in-depth analysis and resolution of production issues, ensuring high availability and reliability of the product.
- Developed and maintained comprehensive technical documentation and runbooks, providing clear guidance and support for operational and development teams.
- Demonstrated strong expertise in Python, Jenkins pipelines, JFrog, Docker containers, Maven, Oracle Cloud Infrastructure (OCI), WebLogic, Shell scripting, Linux, automation, Postman, JIRA, Confluence, load balancing, and service discovery, contributing to successful project outcomes.

#### **Previously employed with Amazon as a DevOps Engineer in Amazon Retail Org.**

##### *Previous Responsibilities*

- Managed daily operations of Amazon Retail Business, ensuring the seamless functionality and reliability of the Amazon Retail Website.
- Ensured service availability and reliability during high-traffic events, such as Flash Sales and Big Billion Sales, by conducting performance-enhancing tests and optimizations.

- Created and implemented roadmaps for high-velocity events, aligning resources and strategies to handle increased traffic and demand effectively.
- Automated routine operational tasks, leading to increased efficiency and reduced manual workload.
- Provided rapid response and resolution for live production issues, minimizing downtime, maintaining customer satisfaction.
- Developed deployment policies across multiple regions, including North America, the United Kingdom, China, Japan, and India, ensuring consistent and reliable service delivery globally.
- Developed and maintained comprehensive technical documentation, runbooks, supporting operational excellence and knowledge transfer within the team.
- Participated in a Dev on-call rotation, actively contributing to the stability and uptime of services in production environments
- Demonstrated strong expertise in Python, Shell scripting, Git, and AWS services (EC2, CloudWatch, ECS, ECR), contributing to the and reliability of Amazon's retail operations.

**Earlier worked with Tata Consultancy Services Limited as Senior Developer.**

*Previous Responsibilities*

- **Trading Platform Development:** Contributed to the low-latency, next-generation trading platform for capital markets, ensuring high throughput and minimal execution latency.
- **Post-Trade System Leadership:** Led a team engineers in the development and maintenance of the Post-Trade System, a mission-critical application responsible for clearing, settlement, and reporting. Held full ownership of the system, ensuring its operational readiness for trading day, preventing disruptions in the trading window.
- **Regulatory Compliance & Reporting:** Designed and implemented automated systems to generate and distribute post-trade reports to various trading interfaces and regulatory bodies, including SEBI (Securities and Exchange Board of India) and the Ministry of Finance, India.
- **Deployment & Chaos Engineering:** Led end-to-end deployment, mock drills, and disaster recovery simulations to ensure system resilience. Spearheaded Chaos Engineering initiatives to fault tolerance and benchmark system performance under high-load scenarios.
- **Technical Proficiency:** Strong expertise in C, C++, Shell scripting, gdb, and performance tuning. Developed automation testing tools capable of processing gigabytes of financial data, significantly enhancing efficiency and accuracy.
- **Certifications & Financial Market Knowledge:** Earned multiple NSE certifications, including Financial Markets (Beginner's Module), Capital Market Segments, and Primary Markets, demonstrating in-depth financial domain expertise.
- **Fast-Paced Execution & Team Collaboration:** Adept at working under tight deadlines, thriving in high-pressure, real-time trading environments while ensuring system stability, security, and compliance.
- **Domain Expertise:** Specialized in Capital Markets and Banking & Financial Services, with hands-on experience in critical NSE (National Stock Exchange) trading platforms, including IPO (Initial Public Offering System), MFSS (Mutual Fund Service System), SLBM (Security Lending and Borrowing Market), WDM (Wholesale Debt Market), and NDM (New Debt Market).