Soham Dasgupta

Technology Leader | Enterprise Architect | Full-Stack Developer | Open-Source Enthusiast
LinkedIn | +91 7702195678 | soham@thesobercoder.in | GitHub | StackOverflow | Certifications | Portfolio

Summary

Accomplished technology leader with a 14-year track record, including a pivotal role at **Big Four (Deloitte)**. Specializes in driving software engineering, enterprise architecture, and full-stack development initiatives. Recognized for spearheading strategic projects, fostering innovation, and guiding successful product launches. Skilled in cloud migrations, application modernization, and crafting scalable, resilient solutions. A servant leader committed to nurturing team synergy, performance, and quality.

Skills

- HTML, CSS, JavaScript, TypeScript, React, Next.js, Astro, jQuery
- C#, VB.NET, .NET, ASP.NET, REST, GraphQL, OIDC, JWT, SAML, gRPC, Node, Bun, Deno
- Microsoft SQL Server, SQL Service Broker, SQLite, RabbitMQ
- OpenAI Assistants API, GPT-4 Turbo, GPT-4, GPT-3.5 Turbo, LangChain JS, Prompt Engineering
- Git, Azure Repos, GitHub, Azure Boards, Wrike, JIRA, Azure Pipelines, GitHub Actions
- AWS Lambda, Amazon SES, Amazon RDS, AWS Cognito, AWS CloudWatch, AWS CDK, AWS Fargate, Amazon DynamoDB, Amazon SQS, Amazon EventBridge
- SST, Docker, Kubernetes, Helm
- Sonar Cloud, WhiteSource, Fortify
- Microservices, Distributed Systems, Event-Driven Architecture
- English, Hindi, Bengali - *All professional proficiency*

Experience

Director, Software Engineering | LeaseAccelerator | *Kolkata, India (Remote)* | 05/2023 - Current

- Pioneered the modernization of a legacy lease accounting application, leveraging AWS Fargate, AWS API Gateway, Amazon DynamoDB, and Amazon SQS, Amazon EventBridge to deliver a containerized, HTTP workload, designed to track **3 million** new leases annually for an enterprise client.
- Architected a multi-tenant emission accounting application using AWS Lambda, AWS API Gateway, AWS CloudFront, and DynamoDB, employing advanced blue/green deployment strategies and optimized front-end hosting.
- **Mentored** and developed a high-caliber engineering team, improving performance metrics and contributing to the **team building & development** within the organization.
- Orchestrated the **cloud migration** of an enterprise lease accounting application with an ARR of $4 million to AWS cloud, achieving the transition within a **eight-month** timeframe and 96% customer retention rate.
- Designed and implemented the migration of the authentication system for an enterprise lease accounting application to AWS Cognito with 2FA, ensuring a smooth user transition and secure data transfer.
- Facilitated strategic planning and executed three major product releases since the acquisition to enhance the enterprise lease accounting application.

Software Engineering Manager | Deloitte | *Kolkata, India* | 04/2017 - 05/2023

- Championed the development roadmap for an enterprise lease accounting application, scaling to **20+ Fortune 500 companies** and an array of **US state and local government agencies**, facilitating a **20% annual revenue growth**.
- Initiated adoption of Azure DevOps and Scrum methodology which streamlined workflow, enhanced delivery, and enabled achieving of SOC1 compliance while increasing release frequency and quality.
- Refined the software engineering hiring strategy in collaboration with Talent Acquisition, enhancing team cohesion and candidate quality.
- Led rapid expansion of India engineering team, securing high-caliber talent and delivering high-quality releases that contributed to overall product success.
- Spearheaded intern mentorship program, mentoring several batches, facilitating training sessions, and guiding a winning innovation project team.
- Empowered junior professionals with career-focused guidance, boosting team productivity.
- Developed a distributed background worker utilizing **C#**, **MSSQL**, and **Service Broker**, fulfilling thousands of time-sensitive reporting requests monthly.
- Engineered an enterprise reporting solution yielding **200+ FASB and IFRS compliant** lease accounting reports.
- Enhanced software lifecycle processes with the adoption of **CI/CD** pipelines, comprehensive code reviews, and automated testing.
- Crafted an internal tool that improved accounting accuracy testing duration by **over 70%**.
- Coauthored a complete microservice and micro-frontend ecosystem using an array of technologies including **.NET**, **gRPC**, **React**, **Docker**, and **Kubernetes** for downstream application development.
- Functioned as a Subject Matter Expert in assessing and optimizing architectures for over **30+ products** across the US Advisory practice, directing both immediate and long-term enhancements.

Development Lead | EffiaSoft | *Hyderabad, India* | 03/2014 - 03/2017

- Engineered a robust **REST API** for a Point-of-sale (POS) application serving over **3000 MSME customers**.
- Overhauled the architecture of a multi-tenant enterprise ERP application, achieving a **25% performance boost**.
- Formulated a resilient data synchronization function with resume capability, safeguarding consistency for the Android/Windows POS app.
- Developed an import/export utility allowing efficient transactional and master data management through Excel files.
- Synthesized key CRM features for a substantial shipping enterprise, aligning business and technical requirements.

Junior Developer | La Exactlly Software | *Kolkata, India* | 11/2009 - 03/2014

- Developed an enterprise payroll application servicing large organizations with 5000+ employees, significantly enhancing processing efficiency.
- Rearchitected an enterprise payroll calculation engine, achieving a drastic decrease in salary computation time by **over 70%**.
- Engineered comprehensive salary slip and accounting reports, optimizing report generation performance and user experience.
- Implemented novel accounting and inventory features for an ERP application, boosting client productivity and report acceleration.

Education

- **Master of Computer Applications** | Sikkim Manipal University | *Kolkata, India* | **2011 - 2013**
- **B.Sc. Information Technology** | Kuvempu University | *Kolkata, India* | **2006 - 2009**

Certifications

- **MCSA: Web Applications - Certified 2018** | Microsoft | **(07/2018)**
- **MCSD: App Builder - Certified 2018** | Microsoft | **(07/2018)**
- **Exam 480: Programming in HTML5 with JavaScript and CSS3** | Microsoft | **(06/2018)**
- **Exam 486: Developing ASP.NET MVC Web Applications** | Microsoft | **(07/2018)**
- **Exam 483: Programming in C#** | Microsoft | **(07/2018)**

Recognitions

- **Outstanding Performance Award**: For architecting a distributed background worker, enhancing user experience and application efficiency. **(12/2022)**
- **Outstanding Performance Award**: Acknowledgment of exemplary efforts in timely delivery of a pivotal release. **(12/2021)**
- **Spot Award**: For exceptional mentorship leading campus recruits to an innovation project victory in 5G/6G technology. **(05/2019)**
- **Spot Award**: Commended for outstanding contributions to the launch and management of USI engineering operations. **(04/2017)**
- **Performer of the Month**: Celebrated for significant role in the on-time delivery of a strategic CRM project. **(02/2014)**