

Amit Kumar Sinha

(Java Full Stack Developer || NodeJS Backend || SecDevOps Engineer (AWS & Azure))

Mobile: (+91) 8860262652 | What's Up | Email: aamitkumarsinha@gmail.com | Stockholm Sweden

SUMMARY

- ✚ An experienced, knowledgeable, and self-motivated technology enthusiast with more than 7 years of experience in system engineering and its development.
- ✚ Possess in-depth knowledge in **Digital and SecDevOps Transformation**.
- ✚ Extensive experience in identifying and implementing solutions by designing, defining, managing, and developing, and maintaining Microservices and REST APIs.
- ✚ Designed and developed various enterprise and web-based applications using Java/J2EE Technologies, TypeScript, and JavaScript language with the Agile and Waterfall model
- ✚ Developed RESTful web services and APIs using Spring, Spring Boot, Chordiant Framework, and Koa (Node JS web framework)
- ✚ Implemented an Azure SecDevOps strategy for migrating existing and new applications to the on-prem cloud, Azure and AWS.
- ✚ Built and deployed Docker containers to break up the monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
- ✚ Provisioned and configured environments by managing and modularizing tasks, templates, scripts using Azure Pipelines and using Terraform as Iaas.
- ✚ Maintained code quality and integrity using frameworks and tools like Junit, Mockito, MS Scans, Trivy, Fortify, Superlinter, and SonarQube.
- ✚ I also got the opportunity to work as an Adobe Experience Manager engineer. During this time, I developed various AEM deployable artifacts and migrated from AEM 6.1 to 6.3
- ✚ Have good experience working in a distributed cross-functional team using agile methodologies mainly scrum.

KEY ASSIGNMENTS

- **Digital Transformation** – Scandinavian Airlines core channel agnostic digital platform, decoupled architecture, microservices, API, cloud architecture, containerization, DevOps, and adapting to SAFe. Fully new automated Azure DevOps CI/CD implementation.
- **SecDevOps Transformation** – Infra automation using Terraform. Built a CI/CD cloud-agnostic product based on Azure DevOps which supports multiple tools integration and language-agnostic. Used Shell scripts and Azure Logic Apps, AKV for tools integration.
- **Customer Messaging** – Rebuilt CM application with Spring boot and Akka Framework leveraging Azure DevOps WebApp from scratch.

COMPETENCE

Languages:	Java, JavaScript, TypeScript, Bash, Shell script, YAML, PowerShell
Technologies/Frameworks:	Spring Boot, Node.js, TypeScript, KoaJS, Akka, Adobe Experience Manager, JSF, Servlets/JSP, Bootstrap, jQuery, HTML, CSS, AJAX JUnit, Mockito, Git, Maven, Jenkins, Jira, Confluence, SonarQube, PostgreSQL, Oracle database, React
Cloud Technologies:	Docker, Kubernetes, Terraform, Istio, DevOps integration with MS Security Scans, UFT, WhiteSource Bolt, MS Team, JIRA, Trivy, Superlinter.
Azure:	Azure DevOps, Log Analytics, SendGrid, NSGs, Bastion, VNet, Private Endpoint, ACR, AKS, AKV, Storage, Logic Apps, Monitor, Azure SendGrid
AWS:	ECR, ECS, EKS, AC2, S3, Elastic Beanstalk, AWS Secret Manager
Methodologies:	SAFe Agile with Scrum, Waterfall, DevOps
IDE/Tools:	AEM, Git, Jira, Jenkins, Maven, VS Code, JIRA, SonarQube, GitHub, Postman, SOAP UI, IBM Clear Case, IBM RAD, Eclipse, Putty, WinSCP, Confluence
Application / Web Servers:	Apache Tomcat, NGINX, IBM WebSphere, Oracle WebLogic Server
Database:	MySQL, Oracle, MSSQL, PostgreSQL
Domains:	Banking & Financial Services and Travel, Transportation & Hospitality, Telecom

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WORK EXPERIENCE

- 04/2010** – **Ericsson AB**
Present **Role: Senior SecDevOps Engineer**
Tata **SecDevOps Transformation**
Consultancy **Digital Transformation Office – PA Cloud CI/CD Platform**
Services **Brief description:**
Stockholm This project is part of the Digital Transformation Office, where we are building common CICD Products
Sweden based on Azure DevOps.
Responsibilities:
- Successfully designed, identified, and defined technology stack, tools to support **cloud-agnostic and language-agnostic** and standardization of CI/CD cloud Platform.
 - **Configured, Managed, and Provisioned** existing popular cloud service providers to **Ericsson On-Prem, Azure, and AWS** using Terraform.
 - Developing and maintaining **microservices** based on **Azure Boards** integration with multiple Ericsson systems.
 - **Azure DevOps Integration** with **Planning, Backlog Management** tools like JIRA, Azure Boards, UFT for **Functional Testing**, JMeter, Selenium for **Performance Testing**, Code quality using xUnit and Super-Linter and SonarQube, and **Secure Code Analysis** tools like MS Secure Code, WhiteSource Bolt, Trivy, and **collaboration platforms** like MS Teams, JIRA and their capabilities using Shell scripts and Logic Apps.
 - **Implemented on-prem JIRA integration, SMP incident and Change management using Logic App and NodeJS**
 - Implemented a **secured development process** to inspect and validate codebase, infrastructure for **compliance and recommended a secured development strategy, tools, and practices to integrate code security validation and infrastructure security validation**.
 - Implemented and managed **build infrastructure** with provided private and hosted agents, Azure pipeline configuration, code flow, pull request strategies, branch and fork strategies, branch policies, created public and private distribution groups, application configuration and secrets, secrets, tokens, and certificates.
 - Got the opportunity to work on the existing code base for some fixes/new functionality required for Azure platform adaptation.
 - Technical lead in a cross-functional agile team of 6 members team and resolve technical challenges, blockers and provide directions to the project team.
- 10/2018** – **SAS AB A350 WIFI Solution (Scandinavian Airlines)**
03/2020 **Role: Senior Developer (NodeJS Backend, Spring Boot with Azure DevOps)**
Tata **Digital Transformation Program**
Consultancy **Onboard Wi-Fi for long haul fleet**
Services **Brief description:**
Stockholm This project is part of the digital transformation program aimed to deliver an A350 WIFI Solution that
Sweden Integrates with multiple internal APIs and Inmarsat APIs. This application enables onboard passengers to authorize to get onto the internet.
Responsibilities:
- Built and deployed **Docker containers** to break up the monolithic app into **microservices, improving developer workflow, increasing scalability, and optimizing speed**.
 - Developed **new RESTful APIs and web services** using different Node JS framework, packages, and libraries such as **KOA as a web framework, TypeScript** as language, **Jsonwebtoken** as JWT Validation, **Joi** as Request Validation, **Sequelize** ORM, **Mocha/Chai** as Testing Framework, **NYC** for Code Coverage, **dotenv** for setting the local variable, **SonarQube** for code integrity check on code, **Winston** as a logger, **ts-mockito** for mock creation, **NodeJS** as the Server.

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- Developed a **new Spring Boot application**, which responsible for processing passenger lists and sending a report on commercial sessions per flight to SEIP for analytics, built using Spring Boot, JMS, Spring Scheduler.
- Fully new automated **Azure DevOps CI/CD** implementation for the above-mentioned applications and UI Application which is deployed on Ngnix.
- Implemented **CDN Rules for redirecting and restrictions** placed on IPs allowed.
- **OAuth 2 for authentication and authorization of API** and **Ingress controller** for traffic routing for **Azure Kubernetes services**.
- Worked closely with the business owner, internal product teams, internet service providers on application and system integration.
- Used **Swagger** for REST API definition and documentation.
- Responsible for **application performance improvements and security** and worked closely with the application operations team in **setting up application infrastructure, log analytics, monitoring, alerts in azure**.

01/2018 – SAS Customer Messaging (Scandinavian Airlines)

09/2018 **Role:** Senior Java Developer (Spring Boot with Akka framework)

Tata **Brief description:**

Consultancy In this project, we have automated back-office PNR handling and replaced the old system with new
Services Delhi technology and make the system 8 times faster and save licensing costs for WebLogic.

India **Responsibilities:**

- Migration and rebuild of customer messaging legacy services to microservices and REST API as part of the digital transformation program.
- Developed RESTful APIs and web services using **Java/J2EE technologies, Spring Boot, Akka Framework, Hibernate, JMS, and MSSQL** Server as Database.
- Integrated with third-party services (**SMTP and Amadeus**) to send required SMS and Email depending on the requirement.
- Modified required controller for **request, response paradigm** by Spring Controllers using **Spring-MVC**, and used Hibernate in Data Access Layer to access and update information in the database.
- Automated back-office PNR handling and replaced the old system with new technology and **make the system 8 times faster** and save licensing costs for WebLogic.
- Fully new automated **Azure DevOps CI/CD** implementation for Azure WebApp.

10/2015 – SAS Sales Information and SAS Partner Portal (Scandinavian Airlines)

01/2018 **Role:** Developer (Adobe Experience Manager 6.X Engineer, Spring Boot, Angular, JavaScript)

Tata **Digital Transformation Program**

Consultancy **Brief description:**

Services Delhi In this project, I have maintained, upgraded, and worked on new BRS for existing AEM sites for SAS AB.

India **Responsibilities:**

- **Development activities** like creation, configuration, and integration of templates, components, dialogs, widgets, and workflows required for **AEM Upgradation**.
- Modified and implemented new **User Login concerning GDPR**, using Spring boot, JMS, Hibernate developed **RESTful APIs to the authenticated agent users** to the existing application.
- Worked on content/DAM migration, **Customization of various OOB AEM components, Pages, and Workflow**.
- Worked on HTL/Sightly for the development of various AEM components.
- **Upgraded SAS Sites to AEM 6.3** without changing the existing functionality concerning Editors.
- Strong Knowledge in overall technology stacks of Adobe AEM (**OSGI, Apache Sling, Apache Jackrabbit, JCR, and AEM Inbuilt APIs**).
- Integrated with AEM Forms with SharePoint using RESTful APIs.
- Worked on AEM Integration functionality like **SSO, LDAP functionalities, SMTP**.

04/2014 – CITI SYMPHONY (OneMain Financial and CitiFinancial Servicing LLC)

10/2015 **Role:** Developer (Chordiant, Java/J2EE Technologies, JSF, and Hibernate)

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**Tata
Consultancy
Services Delhi
India**

Brief description:

The symphony application is developed on Pega System's Chordiant framework, which is modified/customized to operate Loan Application for Springleaf General Services Corporation (OneMain Financial) and CitiFinancial Servicing LLC.

Responsibilities:

- Supported the entire Symphony application project lifecycle and served as a key SPOC between TCS and client-led multiple activities/events.
- Implemented efficient/innovative processes and worked on defect fixing/User Stories and maintenance of the Symphony Application.
- The Symphony application is developed on Pega System's **Chordiant framework in Java/J2EE Technologies, JSF (Apache Trinidad), and Hibernate.**
- Worked on the issues or problems reported from other teams through ServiceNow. Worked on Change Management and Incident Management.

12/2013 – Internal ILP (Tata Consultancy Services Ltd.)

03/2014 **Role:** Trainee (Java/J2EE)

**Tata
Consultancy
Services
Trivandrum
India**

Brief description:

This project is called "Door Delivery Courier services". An Indian-based Courier services company- Door Delivery courier service (DDC), wants to have a web-based solution for online servicing and management of courier service (for both registered users and employees.).

Responsibilities:

- Developed two sub-modules a) Manage Trucks and b) Sort and Assign packages to a truck.
- This module was developed using Java/J2EE, JSP, Servlets, JavaScript. For my dedicated efforts, I have been highly recognized within my Team of Six members.

PERSONAL TRAITS

- I can quickly assess and learn unfamiliar systems and quickly analyze, scope, and establish technical and business requirements for projects and relationships.
- Interacting with other workstreams/project teams to sort out the dependencies and/or fulfill their requirements and worked in collaboration with other team members to take overall responsibility for the work.
- Consulted with Product Manager to identify minimal viable product and decomposed feature set into small scoped user stories also involved in Backlog grooming & refinement, Iteration planning, Retrospective & daily Scrum meetings.
- Customer requirements gathering, business process mapping, application development, testing, post-go-live support with excellent troubleshooting and debugging skills.
- Conducted impact analysis of issues logged, prioritize, and ensure that production support is provided as per the committed SLAs.
- Delivered high-quality code deliverables and supports, peers in quality checks such that design requirements are met.
- Excellent Communication, Interpersonal Skills, Leadership Qualities with problem-solving skills.

EDUCATIONS

KIIT University – Bhubaneswar, India

July. 2009 - May. 2013

Bachelor of Technology – Electrical Engineering with CGPA – 7.58

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