**Tuhin Mohanty**

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**SENIOR SOFTWARE ENGINEER**

**CORE JAVA | ECLIPSE RCP | AUTOSAR | SPRING |**

**HIBERNATE | SQL | Xtext| Xtend**

Senior Software Engineer with over 6.5 years of experience specializing in Core Java. Proven expertise in developing Eclipse-based tools, AUTOSAR solutions, and enterprise applications using Java, Spring, and Hibernate. Recognized for delivering high-quality software and effective collaboration using tools like Eclipse, Jenkins, and SonarQube.

**WORK EXPERIENCE**

**Bosch Global Software Technologies** - *Bengaluru, KA* January 24, 2022 - Present

**SENIOR SOFTWARE ENGINEER**

***Current Project :***

Currently working on tools to optimize data handling and calibration processes in automotive software, including A2L generation and processing.

* Optimized Data Handling & Calibration: Developed tools for efficient data handling and calibration processes in automotive software, focusing on A2L generation and processing within the AUTOSAR framework.
* **Technologies Used**: Leveraged Eclipse RCP, Java, and Python to enhance efficiency and accuracy in software development processes.
* **Scrum Master Responsibilities**: Organized and led daily standups, provided support for customer queries, and collaborated with cross-functional teams to resolve issues.
* **Continuous Integration**: Monitored and ensured successful daily builds in Jenkins, driving smooth and efficient development cycles.
* **Build Integration and Automation:** Implemented automation testing using the GTF framework and JUnit, ensuring robust testing of software builds and facilitating seamless integration processes.

***Project 2:***

Developing an Eclipse-based tool using RCP to optimize multiple cores and memory usage within ECUs, ensuring data consistency, performing memory allocation checks, and enhancing resource communication for priority checks and calls, including ASIL levels.

* Developing an Eclipse-based tool using RCP to optimize multiple cores and memory usage within ECUs.
* Ensuring data consistency in communication and performing memory allocation checks.
* Visualizing different sections and enhancing resource communication to optimize priority checks and calls, including ASIL levels.
* Utilizing a tech stack including Eclipse RCP, Core Java, C, JavaFX, Python for data analysis, and Xtext.

***Project 3:***

Developed an Eclipse Plugin-based DSL tool for the Automotive Domain with a focus on AUTOSAR, featuring a Domain Specific Language Editor tailored for ARXML files to simplify complexity into user-friendly text within the IDE.

* Developed an Eclipse Plugin-based DSL tool for the Automotive Domain with a focus on AUTOSAR.
* Created a Domain Specific Language Editor tailored for ARXML files to simplify complexity into user-friendly text within the IDE.
* Abstracted ARXML files and created a user-friendly DSL tool.
* Utilized technologies including Xtext, Xtend, Core Java, AUTOSAR, Artop, and Eclipse RCP.

**Thomson Reuters** - *Bengaluru, KA* August 18, 2021 – December 21,2021

**SOFTWARE ENGINEER**

Worked on the Technology - Product Engineering Content Platform, focusing on the Judicial Domain, contributing to Thomson Reuters' "Westlaw Next" by mastering Data Acquisition and Java development.

* Worked in the Technology - Product Engineering Content Platform, focusing on the Judicial Domain.
* Contributed to Thomson Reuters' "Westlaw Next" by mastering Data Acquisition and Java development.
* Utilized shell scripting to extract data from US County Courts and parsed it using Java to align with Westlaw Next's requirements.
* Utilized technologies including Shell Scripting, Java, and SQL.

**ADP Pvt Ltd** - *Hyderabad, Telangana* August 27,2018 – July 31,2021

**MEMBER TECHNICAL**

Worked in the Compliance Domain, automating the processing of Wage Garnishment Orders based on US Federal or State rules to achieve over 90% accuracy as part of a Digital Transformation initiative.

* Automated the processing of Wage Garnishment Orders based on US Federal or State rules to achieve over 90% accuracy.
* Contributed to a Digital Transformation initiative in the Compliance Domain.
* Leveraged technologies including Java, Spring, Hibernate, Spring Boot, Oracle SQL, and Toad for SQL.

**EDUCATION**

**Indira Gandhi Institute of Technology** - *Sarang, Odisha*

**BIJU PATNAIK UNIVERSITY OF TECHNOLOGY**

Bachelor of Technology (B.Tech) – Computer Science and Engineering, 2014 - 2018

CGPA 8.2

**KENDRIYA VIDYALAYA No. 1** - *Bhubaneswar, Odisha*

**CBSE**

Intermediate – Science Stream, 2013 – 2014

91%

**KENDRIYA VIDYALAYA No. 1** - *Bhubaneswar, Odisha*

**CBSE**

Matriculation – 10th Board, 2011 – 2012

CGPA 10

**PROFESSIONAL SKILLS**

* Core Java Development
* Eclipse RCP
* Domain Specific Language (Xtext)
* AUTOSAR
* Spring Framework
* Spring Boot
* Debugging and Problem-Solving
* Build Integration and Verification
* JUnit Testing

**Certifications**

* **Oracle Certified Professional: Java SE 11 Developer ,** 14 Februaly 2025 :

*Link :* [*Oracle Certified Professional: Java SE 11 Developer*](https://catalog-education.oracle.com/ords/certview/sharebadge?id=213459237E88D106C478E183B757AA7859F16D686EE768CF1B7A501D41F76D75)

* Automotive Spice Overview – Bosch Global Socftware Technologues, Nov 2024
* Java 8 New Features : Udemy , Sept 2024
* Eclipse RCP – Bosch Global Socftware Technologues, Aug 2023

**AWARDS AND HONORS**

**Crowdsourcing Champ**

* Issued by Bosch Global Software Technologies · Dec 2024
* Recognized and acknowledged for contribution towares crowdsourcing work packages

**Applause Award**

* Issued by Bosch Global Software Technologies · Dec 2023
* Awarded for being team member of the “SuperSquad” Project 2023.

**Rockstar Award**

* Issued by Bosch Global Software Technologies · Aug 2023
* Awarded for efforts and a crucial role in automating the generation of the product’s documentation. Consistency, commitment, and dedication were much appreciated.

**Phoenix Award**

* Issued by Bosch Global Software Technologies · Dec 2022
* Awarded the Phoenix Award for exceptional performance in the last quarter of 2022.

**Kudos Award**

* Issued by Bosch Global Software Technologies · Sep 2022
* Acknowledged for consistently meeting project deliverables with a focus on quality, taking ownership of critical projects, and successfully delivering the requirements for the Release.

**Associate Of the Month**

* Issued by ADP Private Ltd · Sep 2020
* Recognized as the Associate of the Month for outstanding performance and contributions.

**Incentive Award**

* Issued by ADP Private Ltd · Mar 2019
* Recognized for “Inspiring Innovation.”

**Thank You Award**

* Issued by ADP Private Ltd · Dec 2018
* Recognized for “Each Person Counts” and appreciated for contributions.