Suchandra Tungare

Technical Module Lead 6+ YOE | Mumbai, India | 2009suchandra@gmail.com | +91-7208472332
LinkedIn | StackOverflow | LeetCode

SKILLS

- Languages: Java, Bash, Python
- Coding Style: YAGNI, KISS Software Design & Prefers spending maximum energy on reducing the complexity
- Others: Data Structures & Algorithms, Design Patterns, HSM (Hardware security module), 2-way SSL/TLS, PKI Infra, WebSocket, Servlet, Spring Boot, Jetty, Tomcat, MS SQL Server, MySQL, Jenkins, OpenWRT OS, Linux, Git, Kafka, ZooKeeper, AWS service like EC2, S3, SQS, SNS, CodeDeploy, CodePipeline, Lambda, API Gateway, RDS, ELB

WORK EXPERIENCE

Worldline e-Payments Pvt Ltd. (Formerly known as Ingenico ePayments Pvt Ltd.)   **Mumbai, India**
Module Lead   Sep 2021 - Current

- As a member of the House of Architects team, played a pivotal role as a solution designer and developer, closely collaborating with my immediate manager, the Head of Architects. Our focus centered on the development of PCI DSS-compliant systems
- Designed and developed middleware for the entire software stack of the company (2-person team including Head of Architecture) which focuses on aspects like data in transit (DAT), data at rest (DAR) and data in use (DIU) after the Rajya Sabha passed the DPDP law
- Crafted a robust Java driver for Adyton HSM, ensuring secure inter-application communication with advanced encryption. This not only enhances system reliability but also protects our company, preventing potential fines up to 250 crores
- Utilized Apache Pools2 to create a JNDI resource, enabling resource sharing and reducing overall load time by over 30% compared to open source alternatives
- Achieved 50-80% application speed improvement by expertly employing Java threading, including custom thread classes, ExecutorService, and thread groups. Proficient in parallel processing and efficient multi-threading techniques
- Strategically implemented Mealy state machine model, improving application robustness by reducing errors and eliminating inconsistent states, resulting in near 0% error in some cases
- Conducted Proof of Concept and feasibility tests on SQL Server Change Data Capture (CDC) technology, seamlessly channeling events into highly available streams like Apache Kafka with high availability
- Recognized consistently by immediate manager and C-level executive committee members for my adept handling of complexity and impactful contributions to the organization

Futurewise Technologies (IFANOW - Startup)   **Mumbai, India**
Software Engineer   Nov 2019 - Sep 2021

- Part of the established development team that witnessed and actively contributed to the entire journey of a financial platform from its inception to revenue-generating success

- IFANOW is a finance platform that basically targets financial advisors & wealth managers to bring efficiency to their day to day tasks
- Wealth managers currently plan/manage/monitor over 150+ crores of monthly SIPs and goals of their investors worth over 2 lakh crores using IFANOW PaaS
- Hands-on with technologies such as Spring boot, Maven, Redis, EC2, S3, SQS, CodePipeline, CodeDeploy, CloudWatch, Lambda, API Gateway, RDS, ELB, AutoScale, Jenkins, Trello, Linux, and optimizing existing codebase, discussing the best solution/practice and KT towards junior developers

FilmboardMovies.com (Myfilmapp - Startup) **Mumbai, India**
Software Engineer May 2019 - Nov 2019
- Worked as core back-end engineer with team size of 4
- Single-handedly implemented REST APIs for a mobile application using the Laravel framework
- Lead engineer of AWS stack and version control using Git
- In addition, was responsible for daily backups, performance tuning, database migrations, security/user management, and other related tasks
- Engaged in daily tasks encompassing meticulous work estimation, seamless knowledge transfer, proficient development, rigorous testing, effective bug fixing, and timely release management, contributing to the streamlined and efficient operation of the development cycle

Amideep Technologies (RadioLocus - Startup) **Mumbai, India**
Software Engineer Jun 2017 - Apr 2019
- Part of a highly productive 9-member team, mostly from IITB, IITR & NITs
- Reduced configuration time of Linux-based hardware from 4/5 minutes to 15 seconds, saving months of team time
- Built a data processing pipeline from scratch for sensor analysis in mission critical projects
- Developed and honed personal skills while undertaking diverse tasks for product enhancement
- The impactful work at RadioLocus inspired me to embark on the LFS (Linux from Scratch) open source project, detailed in the projects section

PROJECTS

LFS (Linux from scratch) Open Source Project
Registration ID: 27886, Link
- Built Linux OS from scratch to explore and learn more about Linux OS, Link
- Preview available at: YouTube, Medium

EDUCATION

Mumbai University **Mumbai, India**
Bachelor of Engineering: Computer Engineering

D.G. Ruparel College **Matunga, Mumbai**
HSC: Vocational Computers