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TL;DR

- Engineering Manager @ Traveloka
- Around 12 years of professional experience, programming from the last 20+ years
- Built multiple projects from scratch
- Passionate programmer, team builder, mentor and learner
- Experience in managing teams, pre-sales, demos, seminars, tech-writing

Profile

A self-motivated engineer with over 12 years of professional experience in product-based companies and startups. Expertise in Java and Distributed Systems, with a passion for solving real-world problems and a unique blend of logical reasoning, creative thinking, and problem-solving skills. Enjoys staying current with new tools and technology and working on personal projects in free time. Has a track record of automating tasks to increase efficiency and promoting this approach. Led continuous and ongoing improvements to achieve superior quality and productivity. Spearheaded the development of innovative applications, utilizing best practices to enhance overall performance and workflow.

Work Experience

Engineering Manager, Traveloka

Sep 2021 - Present (1 year 4 months) | Singapore

- Designing, developing applications and reviewing teams work.
- Practising and driving agile methodology
- Mentoring team, promoting learning culture and documenting good practises.
- Preparing and reviewing technical documents, RFCs, RCA, Postmortem Docs etc.
- Streamlining processes & form SOPs to increase team productivity.
- Quarterly, Yearly project planning, including initiatives estimation, resource planning, timeline etc
- Thinking partner for Product Counterpart.
- Regular 1-on-1 with team members and stakeholders.
- Team building and hiring.

Projects: Central Fraud Platform, Central Case Management, KYC-KYB services, User Account Management, Offline Payment Enablement

Technology: Java 11, Kotlin, Spring Boot, Spring State Machine, Apache Camel, Quarkus, Rest, Hibernate, JOOQ, Flyway, Sqitch, Postgres, DocumentDB, DynamoDB, Redis, Git, Sonar, Gradle, Terraform, Datadog, PagerDuty, Auth0, numerous other AWS Cloud Services like SQS, SNS, CodeBuild, CodeDeploy etc.

Development Lead, DBS Bank (Contract)

June 2020 - Sep 2021 (1 year 3 months) | Singapore

- Designing and developing applications.
- Scrum Master.
- Mentoring team, promoting learning culture and documenting good practises.
- Preparing technical documents.
- Team building and hiring.

Projects: Online and Batch Applications for A-score and B-score, Consumer Risk and Digital Fraud Verify Services, SwaggerHub

Technology: Java 8, Java 11, Spring Boot, Spring Batch, Rest, gRPC, Hibernate, Flyway, MariaDB, MongoDB, Git, Jenkins, Sonar, Maven, WildFly, Pivotal Cloud Foundry (PCF), Prometheus, Pushgateway, Grafana, Splunk, Connect Direct, Camunda BPM

Senior Product Developer, Active Intelligence Pte. Ltd.

September 2016 - June 2020 (3 years 9 months) | Singapore

- Designed and developed a multi-module Conversational AI Middleware written in Java from scratch.
- Day-to-day activity of enhancing product to stay ahead of the market.
- Creating POCs and exploring new technology and ideas.
- Periodically coordinating with project teams to create a roadmap for the product.
- Handling a team of 4-5 product developers involves mentoring, design reviews, reviewing pull requests, sprint planning etc.
- Conducting technical sessions with partners and internal teams.
- Involved in hiring, some pre-sales activities, demos and meetings.

Projects: Conversational AI Middleware (*Morfeus*) which is behind all our major deployments like Axis Bank's Aha, HDFC Securities' Arya, Kotak Mahindra Bank's Kiya, FWD's Faith, Income Chatbot, etc; AI-driven Conversational IVR; Workflow Engine; JSON Rule Engine; Ontology Keyword Based Probing Engine. Service integrations with Twilio, Nexmo (Vonage), IBM Conversation, AWS Lex, Alexa, Google Home, Microsoft QnA etc.

Technology: Java 8, Spring Boot, Hibernate, Flyway, Redis, Elastic Search, Neo4J, MySQL, Oracle, Git, Jenkins, Sonar, Maven, ActiveMQ, Tomcat, Docker

Software Engineer, Fastacash Pte. Ltd.

April 2014 - August 2016 (2 years 4 months) | Singapore

- Designed and developed a REST API server using Spring, Hibernate, Postgres, Maven and Tomcat. Responsible for test suites and practices agile methodologies as well as test-driven development.
- Integration of social channels like Facebook, Twitter, LinkedIn, GooglePlus, Odnoklassniki, VKontakte etc.
- Automated reports generation and set up cron jobs for daily and monthly reports.
- Used D3 and Google Charts for generating interactive graphs and charts.
- Admin module in Django python.
- Maintaining API doc in Swagger and RST format.
- Production deployments on AWS.
- Supporting infra, operations and mobile team.

Projects: Mrtweeks, Sprite, Axis PingPay, Oxygen Wallet, MobiDengi, WalletOne, OpenPlatform

Technology: Java 8, Spring Boot, Hibernate, Redis, Postgres, Maven, Tomcat, Django Python

Software Developer, Kellton Tech Solutions Ltd.

June 2013 - May 2014 (11 months) | Gurgaon, India

- Fastacash, an onsite project in Singapore.
- Project Architecture and Database designing.
- Pair programming with the client team to provide technical guidance.

Projects: Mrtweeks

Technology: Java 8, Spring Boot, Hibernate, Redis, Postgres, Maven, Tomcat

Software Developer, Razorfish Neev Technologies Pvt. Ltd.

July 2011 - May 2013 (1 year 11 months) | Bangalore, India

- Developed full-fledged web applications, including backend and frontend.
- Creating Rest APIs for flex video editing application.
- Creating dummy applications for AppDynamics test.

Projects: Tubifi, Appverifier for AppDynamics, Bridge

Technology: Java, Spring MVC, Hibernate, MySQL, Maven, Tomcat

Technical Proficiency

- **Operating System:** Mac OS X, Linux, Windows
- **Scripting Languages:** JavaScript, Python, Unix Shell Scripts, PowerShell
- **Programming Languages:** Java, Kotlin, Node.js, Python, Go, Groovy, Scala, Android
- **Frameworks:** Spring Boot, Spring Batch, Spring Cloud, Spring **, Quarkus, Express.js, React, Pandas
- **ORM:** Hibernate, JOOQ, JPA, JDBC Template, MyBatis
- **IDES:** IntelliJ, Eclipse, SpringSource Tool Suite, VS Code, Sublime, Android Studio
- **Database:** Postgres, AWS DynamoDB, AWS DocumentDB, MongoDB, MySQL, IBM DB2, Oracle 9i, Oracle10G, MariaDB
- **Cloud:** AWS, Heroku, IBM Bluemix, Google Cloud, Pivotal Cloud, Microsoft Azure

- **Methodology:** Agile, Test Driven Development (TDD), Pair Programming, SRE
- **Other frameworks and tools:** Git, ActiveMQ, Elastic Search, Neo4j, Memcache, Redis, Maven, Gradle, Docker, Kubernetes, Camunda BPM, Kafka, Postman, Jira, Sonar, Jenkins, REST, gRPC, Swagger, Apache Camel, Prometheus, Pushgateway, Grafana, Splunk, OAuth2, LDAP

Education /Recognition

Education

- B.Tech in Computer Science from Bharat Institute of Technology, Meerut affiliated to Uttar Pradesh Technical University. Batch 2011.
- Senior Secondary from Dayawati Modi Academy I, CBSE Board, Meerut in 2007.
- Higher Secondary from St. Francis Convent School, ICSE Board, Meerut in 2005.

Certifications

- SRE Practitioner
- Application Security Titan Bronze Level
- Oracle: Java Standard Edition 6 Programmer Certified Professional
- IBM: DB2 certified database associate: DB2 fundamentals
- IBM: Rational Functional Tester for Java
- IBM: Tivoli Directory Server V6.1
- IBM: Rational Application Developer
- Oracle: Introduction to Oracle 9i: SQL

Recognition

- Represent Active AI at 2018 Money20/20 hackathon in Vegas.
- Neev Star Award and Client Satisfaction Award.

Other Side Projects/Activities

- **Developer Uncle Visual Code Extension:**
VS Code extension helps users in some trivial tasks, like formatting, escaping/un-escaping JSON, time, UUID generation and most importantly, creating IFTTT trigger. You can use IFTTT triggers to perform any action that IFTTT supports, like adding a TODO or posting on Slack. Deployed on Microsoft Azure.
- **OurSGBusBot:**
A Facebook messenger chatbot to access Singapore bus timings. Deployed on AWS Lightsail as a NodeJS application.
- **Developer Uncle Slack App:**
Collection of Slack commands to perform trivial developer tasks. Build using AWS API Gateway and Lambda functions written in NodeJs, Python and Java.
- **EchoBullet:**
A NodeJS web application which can enable notification mirroring across devices using PushBullet APIs.
- **Timenoti:**
Android utility app enables users to check different time zones in the notification panel.
- **ApTag:**
An android app to tag your favourite apps and search them easily. Tagging apps would simplify the process of grouping apps and search for them.
- **Slash command:**
Contributed to open-source chrome extension added Bitly support.
- **Occasionally blogging at** medium.com/@sharmasha2nk

Hobbies / Interests

Playing squash, programming, drawing and travelling.