

DILDEEP SINGH

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ACHIEVEMENTS

- Started career as Java developer, upgraded myself to Full-stack engineer by self-learning of Angular and node.js
- Hands-on knowledge on Java with Spring boot, Angular, Node.js, Python.
- Working knowledge of AWS services like CloudWatch, Lambada, Serverless infrastructure, EC2, EBS, SES, SNS, Code Deploy, Autoscaling, Elastic Load balancing
- Collaboration with mini CTO, technical architects for the module design, development and delivery for Fintech products.
- Working knowledge of five pillars of DevOps and CI/CD for Java and python projects.
- Knowledge of GITLAB CI/CD
- Achieved sustainable enhancements on performance and reliability of the Fintech products.
- Achieved system reliability and fast RCA/ bug fixing by implementing Spring AOP based logging and open tracing
- Achieved automated system and resource monitoring by implementing Spring actuator and Prometheus based monitoring for Java applications.
- Working knowledge of microservice architecture using python and AWS serverless architecture.
- Helped in cost optimization of AWS infrastructure using techniques like Spot instances, saving plans, reserved instances, finding suitable compute power using series of load test.

SKILLS

- **Domain knowledge:** FinTech, Trading, Crypto, Automobile, Process automation, Digital transformation, Payment gateways
- **Programming Languages:** Java, Python, Angular, C++, SQL
- **Scripting Languages:** Angular, JavaScript, HTML, CSS, XML, AJAX, jQuery, JSON, Bootstrap
- **Frameworks:** Spring MVC, Spring boot, Struts, JPA, Hibernate, JMS
- **Software architecture & design:** MVC, Microservices, SOA, SaaS, Serverless
- **Design pattern & principles:** SOLID, DRY, WET, YAGNI, Singleton, Abstract factory, Strategy, Builder, Aggregator, Observer
- **Web Services:** RESTful Web services, AWS, Microservices
- **Databases:** RDBMS (MySQL, PostgreSQL, AWS RDS, AWS Aurora), NoSql (arangoDB, Redis, MongoDB, Cassandra(basic))
- **Caching:** Redis, AWS Elastic Cache
- **Messaging:** AWS SNS, SQS, Kafka
- **Version Control:** GitHub, GitLab
- **IDE Tools:** Eclipse, IntelliJ, ANT, Maven, STS
- **CI/CD:** Jenkins, GitLAB CI/CD
- **Collaboration tools:** JIRA tool chain, confluence
- **Unit testing frameworks:** junit
- **Monitoring:** Springboot actuator, Prometheus, Site 24x7
- **Logging:** Log4J, CloudWatch, Open tracing
- **Circuit breaker:** Netflix hystrix
- **API testing and documentation:** Postman, RestAssure, Swagger
- **Code review and quality:** SonarQube server and monitors
- **Development methodologies:** Agile, Water fall

AWARDS

- Awarded as commando developer of the month. (Best performer of the month)
- Awarded with employee of the quarter.
- Qualified AWS certified developer associate exam.
- Qualified Java 8 associate certified developer exam.

WORK EXPERIENCE

Nagarro, Gurgaon, India

Staff Engineer

Nov 2020 – Present

- Working as a Staff Engineer – working on Analysis, development, unit testing and DevOps.
- Responsible for designing and implementation for the module based on high level technical design proposed by solution architect. Also, successful delivery of module during the sprint
- Unit testing and code review for others code.
- Worked in Agile/Scrum methodology.
- Identify performance issues and fix those for the module.
- Integrated **payment system** in the core system.
- Technology used: Java 8, Spring 4, Spring boot 2.0.9, AWS EC2, Lambda, SES, SQS, SNS, Elastic load balancing, AWS RDS and Aurora, Elastic Cache, S3, Apache Kafka, Zookeeper

Broctagon Fintech, Noida, India

Java Full Stack Engineer

July 2019 – Nov 2020

- Working as a Full stack engineer – working on Analysis, development, unit testing and DevOps.
- Current roles and responsibilities are of module lead for Fintech products. Delivering high performing, reliable and distributed fintech solutions.
- Responsible for designing and implementation for the module based on high level technical design proposed by solution architect. Also, successful delivery of module during the sprint
- Unit testing and code review for others code
- Identify performance issues and fix those for the module.
- Identify security risks as per the international standards for Fintech products and implement fixes for OWASP top 10.
- RCA of production issues and fix them by implementing multi-threaded solutions, query optimizations.
- Performance review and feedback for the module team time to time.
- Working on analytical framework for both customer and business.
- Technology used: Java 9, Spring 4, Spring boot 2.0.9, Angular 8, Python 3.7, Node.js, AWS EC2, Apache Kafka, Zookeeper, Lambda, SES, SQS, SNS, Elastic load balancing, AWS RDS and Aurora, Elastic Cache, S3

Nucleus Software, Noida, India

Senior Software Engineer

Oct 2018 – July 2019

- Worked as a Senior Software Engineer – worked on Analysis and Development.
- Implemented Internationalization (i18n) in the system to provide multilingual support.
- Created Multi Currency module to support different currency format.
- Used Spring Session functionality to provide session-based login.
- Created POJO's and DAO's for the Database entities using spring and hibernate annotation mappings.
- Developed the functionalities using Agile Scrum Methodology.
- Extensively used core java concepts like Multithreading, Collection Framework and File I/O.

Yamaha Motor Solutions, Faridabad, India

Software Engineer

Jan 2016 – Oct 2018

- Worked as a Software Engineer – worked on Development and unit testing
- Developed code generator by using design pattern like Singleton, Factory and MVC which reduces developer effort to write code.
- Created AWS lambda service to read the file data from S3 bucket.
- Proficient in UI design, developed Front End using JSP, HTML5, CSS3, JavaScript, AJAX and jQuery.
- Experience in Spring framework (MVC/IOC/DI/ORM/AOP/BATCH) and Struts (MVC, Interceptors, action mappings and resource bundles)

PROJECTS

Astrapay

Nov 2020 – Present

- Astra mobile is an e-commerce payment system and architecture is microservice. Each service is robust, flexible and composable.

- Astra mobile customers can pay and receive with just a smartphone at zero extra cost.
- Users can simply scan the recipient's QR code or entering their mobile number in the 'Pay' option in the Astra mobile app to instantly pay virtually anyone with a smartphone.

Fintech CRM and trading platform 2020

July 2019 – Nov

- SaaS based B2C platform (Multi-tenancy support)
- Provide features for symbol-based trading
- Multi-level and multiple commission schemes and rewards
- Real time price feeds using web sockets and publisher-subscriber (AMQP)
- Realtime commissions payments
- Analytic reports to both customers and business with many filters and time range
- AI based risk and threat assessment
- Content management system
- Automated Marketing management
- Facility to configure verity of reports, emails, broker and trader levels, commission schemes and payment gateways at run time.

Portal (End-to-End Loan Lifecycle Management)

Oct 2018 – July 2019

- A comprehensive product suite built to digitize the lending operations of the **global banking and financial services industry**.
- Portal is an agile and customer-centric platform capable of **servicing the entire loan cycle**. It enables the user to perform paperless data sourcing, revert with application statuses.
- Application is based on robust platform with effective integration of security and technological aspects to cater to stringent requirements of **financial institutions**.

Yamaha B2B Mobile Application Portal

July 2016 – Feb 2017

- A portal that seamlessly builds mobile application with minimum effort of coding.
- Support Multithreading Environment to increase the efficiency of the system.
- Download ready to use application for both android and IOS.
- Support item drag and drop UI functionality.
- File is saved to S3 for better performance.

Code Generator

Mar 2017 – June 2017

- Application that generates the code skeleton which reduces the 40% of the developer's effort while developing the web application.
- Code generator uses the velocity template to generate the java classes, HTML files, DAO, DTO, services and Repositories on the runtime.

G Fast

Jun 2017 – July 2018

- A B2B platform used by Yamaha Motor Japan.
- Provide all the details of inventory.

EDUCATION

J.C. Bose University of Science and Technology, Faridabad, India

Bachelor of Technology in Information Technology

June 2016