

## VIVEK KUMAR

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Product agnostic engineer with six years of rich professional experience with increasing functionality and optimizing quality while designing software solutions. Effective programmer who performs tests to identify deficiencies and establish appropriate resolutions. Proven ability to implement latest technologies in Java /Spring, Spring boot, Spring Batch, SQL, Data Structures, OOPs, and Continuous integration & deployment, while developing innovative software applications. Experienced in developing and scaling distributed systems using modern backend technologies (Spring Boot, MongoDB).

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- Object Oriented Design(HLD/LLD) •Data Structures, Algorithms •Design Principles • System Design
  - Connected Cars – IoT • Java Development • Microservice Design • API Development • CI /CD • Agile • Amazon Web Services • Retail • Test Driven Development

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**Languages:** Java 8, C, C++, JavaScript

**Web:** JavaScript, jQuery, AJAX, HTML5, CSS3, Bootstrap, XML

**Web Services:** JSON, RESTful, Express

**Cloud Services:** AWS, Pivotal Cloud Foundry

**Web Server:** Tomcat, NodeJS

**Frameworks:** Spring MVC, JDBC, Spring Boot, ReactJS, Junit5, Mockito, WireMock, Cucumber

**Databases:** Oracle, SQL, DB2, MySQL, Mongo DB, Cassandra, PostgreSQL

**Tools:** IntelliJ, Eclipse, WAMP, Swagger, Postman, GitHub, Gitlab, Maven, Gradle, Spacewalk

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## PROFESSIONAL EXPERIENCE

**Toyota Connected India Pvt Ltd /Senior Software Engineer, Chennai, India November/2020 - Present**

**Backend Engineer**

**Project:** - Toyota i-Connect Application

Involved in designing and developing major functionalities of Toyota iConnect application which includes several critical lives saving, vehicle maintenance and status functionalities. Worked for high scalability as 20L+ vehicles operate on Indian roads and daily API hit average in 4L. Helped in providing customer delight with high value features.

**Responsibilities:** -

- Design and development of app-based vehicle features
- Unit Test, Integration, Functional Testing and Code Reviews
- Scalability, Performance optimization
- Feature addition and maintenance
- Product Innovation for Indian geography

**Verizon / MTS II, Chennai, India December/2019 - November/2020**

**Backend Developer - Security**

**Project:-**

Development of security components for internal applications to prevent them from vulnerabilities and threats. Automation of existing security mechanisms and implementation o NIST standards using standard enterprise tools in addition to self-hosted security component software.

**Technologies Used:** Restful web service. Java 8, Java 11, Spring, JDBC and React JS, optimized data structures and algorithms with efficient design patterns. Google Script, Python, GitLab, Maven build tool.

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**Responsibilities:** -

- Review existing security mechanisms and practices
- Device new generic architecture for security of application
- Drive the teams to implement offered components in their applications
- Research on vulnerabilities and their remediations

**Tata Consultancy Services / System Engineer, Chennai, India August/2017 - December/2019**

Backend Software Developer

**The Home Depot, Inc.**

**Project:** -

The Store Level Pricing project will maintain price and cost of the products at store level. This project will enable store-specific pricing based on the competitive landscape. This application provides the ability to create, maintain and transmit store level price changes to the stores. This product manages the New Lower Pricing indicator for each store and maintains the workflow to approve / reject the price changes. This project reduces number of price points to maintain (170 markets to average of 5 zones per

product) and removes market constraint for pricing. It provides the ability to compete with target competitors in one or more stores. This application allows the users to make price changes for all the general merchandise products (nearly 700k). The Web App provides the following features:- Price Change, Date Reservation, Future Changes, Reports Generation, Data Representation, Price Change Suggestions, Force Update

**Technologies Used:** An Enterprise Application with spring boot Restful web service. Java 8, Java 11, Spring, JDBC. Optimized data structures and algorithms with efficient design patterns. with IBM DB2. Pivotal Cloud Foundry web servers.

**Responsibilities:** -

- Collaborated with Architecture Team, Designer Business and test team to design web solutions, API Micro services for different business requirements.
- Developed Continuous Integration system with Concourse and Continuous Deployment system with Pivotal Cloud Foundry.
- Coding, Testing, Code reviewing, Code merging

**EDUCATION**

**Bachelor of Technology – Computer Science, Moradabad U.P.**

(30/06/2013 - 29/06/2017)

APJ Abdul Kalam Technical University - Percentage: 74.0

**CERTIFICATION**

**1. Pivotal Certified Cloud Foundry Developer**

Verification Link: <https://bcert.me/bc/html/show-badge.html?b=dykincz>

**2. AWS Certified Solutions Architect – Associate**

Verification Link: [https://www.credly.com/badges/0817c3ee-e1d0-4ea2-9e87-6bb3a72b7ee4/public\\_url](https://www.credly.com/badges/0817c3ee-e1d0-4ea2-9e87-6bb3a72b7ee4/public_url)

**3. AWS Certified Developer – Associate**

Verification Link: <https://www.credly.com/badges/d1daa72e>

