

# Abinandhan

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## Objective

To take up a challenging career as a Software Developer (Backend)/ Data Engineer in your organization and utilize my skills and talents in the work environment and there by grow professionally and personally.

## Skills

Good Communication Skills, Analyzing the problem and providing feasible solutions, Working closely with clients and understanding their requirements, Being Proactive, Building Clean Code following SOLID, Being adaptable, Resourceful, Updated & exploring newer way to do things..

## Technical Skills

Android, Spring boot, Rest API, Spark, Kafka, Hibernate, Nodejs, Ktor, GWT, Design Patterns & SOLID, TDD, Git & SVN

## Programming Skills

Core Java, Kotlin, Scala, RxJava, Sql, HTML, CSS, JS, TypeScript, jQuery.

## Architecture Skills

Agile Software Development, Database Schema Design, Object oriented Design & Analysis

## Experience

### DOODLEBLUE INNOVATIONS

MAY 2018 - PRESENT

Working as Android / Software Developer in an agile environment. Have sound knowledge using Kotlin for Android, as well in backend

- Learnt Kotlin. A concise and super productive language.
- Implemented Projects using MVP Pattern
- Supporting apps for multi device resolutions
- Following DRY principal
- Creating Offline Support for apps, using RoomDB.
- Using Retrofit along with RxJava, and handling Exceptions
- Parallelizing File Uploads, and Api Requests.
- Seamlessly sync between Offline & Online records.
- Worked on Spring boot with MySQL DB
- Designing Relations between Models
- Handling exceptions in api gracefully.
- API Documentation using Swagger/Postman.
- Handling Security using JWT.
- Working closely with clients to understand their requirements.
- Started learning Scala for POC on an Analytics application using Apache Spark & Kafka
- Created multiple Extension functions for use in code.
- Participating in team Presentations for knowledge sharing.
- Mentoring Interns and team members of varying Stacks.
- Following Clean Software Architecture.

### SHRIRAM VALUE SERVICES

OCT 2014 – SEP 2016

Worked on various Web and Mobile technologies. Sharing knowledge and working in multiple teams.

- Worked in GWT as the main framework for developing the front end and controllers to call services.
- Created beautiful and responsive design with easy to use interface.
- Used Hibernate and Sql for backend operations.
- Made Queries that were dynamically created & executed based on user input.
- Used HTML, CSS & JavaScript technologies and frameworks to create frontend applications.
- Enhanced the User Interface and User Experience.
- Worked in Android for creating B2B applications.
- Used latest Material Design principles to design the app.
- Integrated a third party Chat Service, having real time chat, Photo sharing, with Chat notifications into the app.
- Integrated multiple payment Gateways such as Payzapp, Airpay and HDFC into the Android app as well as web.
- Worked on Servlets for server side handling & validations for the payment gateway.
- Extended a service calling library "Volley" to make the code reusable, readable, short and maintainable.
- Worked with multiple teams each having different expertise.

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## Academic achievements

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- Won Best Talent of the Year 2013-14 award, JHA Agarsen College.
  - Played primary role as Lead Editor for College Magazine, "7<sup>th</sup> Sense II".
  - Lead Event Organizer for Inter-College Technical Meet, "IgniteMind 2014".
  - Won in various Inter-College Technical Competitions for Coding & Debugging.
  - Won General Proficiency awards and Scholarship for my performance in academics.
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## Certifications & Workshops

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- Chip-level Laptop Service Training Course by Govt. Approved MSME Institute, 2010-2011.
  - Workshop titled "Evolutionary design" conducted by ThoughtWorks, Chennai. Provided Hands-on training on SOLID Principles & OOD, Sept 2019.
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## EDUCATION

(not counting knowledge gained from free resources)

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### Bachelor of Computer Applications / 2014

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JHA Agarsen College - 80.2%

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### Higher secondary / 2010

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GSS JAIN VIDYALAYA - 71.0%

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### Senior secondary / 2008

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JAIN VIDYAASHRAM - 80.8%

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*I hereby declare the information provided by me is right to my knowledge*

*-Abinandhan*

## Project Description

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### MYSCHOOL JAMAICA

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- A School Management Software, for schools in Jamaica. The client already had the application built in classic [VB.net](#) in MS Access . Our job was the migrate it to Cloud based.
  - A Teacher can add mark details for the students,
  - Students / Classes cumulative details can be viewed by the Teacher/ Principal / Parent as charts/ graphs
- Created & Optimizing entity relationship mapping for School, Teacher, Student, Parent, Class, Grade etc. Used, MySQL as backend DB.
- Made Spring Cloud base, as we were to develop using microservice pattern, though due to tight deadline for MVP, we moved to monolith architecture using Spring boot
- Made Multi module Maven project
- Optimized Responses & Error handling for the API

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### SHRIRAM GENERAL INSURANCE

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- i-NOVA - A B2B app, for branch executives who takes preinspection of the vehicle by capturing photos of the vehicle.
- m-NOVA- A B2B app, for agents and branch executives, where they can put policy for the insured's vehicle, make payment, view, search, edit proposals.
- Web portal for Customers, where they can buy, renew, view premium for vehicle insurance. Customers can calculate premium online and make payment.
- Saathi call center module, where an executive assists and helps the Customer who made a claim, during the entire claim process.

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### BIJLIPAY

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- A B2B app, for agents to gather information of the leads for POS device.
- Backend Support - Worked on newer requirements and bug fixes of api, which is used by both Android and Web using Spring Boot & MySQL DB.

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### HYPTO

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- A B2C app which provides cashbacks for dining at food stores.
- Integrated generating Pdf document using Itext library with a scalable utility method,

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### SARVA

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- Mindfulness meditation app with Inapp purchases
- For booking and enrolling in Sarva Yoga Studio
- Worked with backend team and discussed on handling inapp the feasible way. Analyzing edge cases as well.

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### STAR HEALTH

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- Agents App for gathering prospect Information and generating policy. Works great Offline as well.
- Handled parallelizing api requests & file uploads