

## Experiences

Total- 9.2 Years JAVA- 8+ Years. Kotlin- 6+ Years. Android- 5+ Years PHP & MySQL- 7+ Years Postgres:- 6+ Years React Js- 6+ Years  
Blockchains - 2+Years Node Js- 6+ Years Python:- 6+ Years GCP:- 1+ Years Kubernetes:- 1+ Years AWS:- 6+ Years GraphQL: 3+ Years TDD:- 5+Years  
JavaScript :- 6+ Years TypeScripts:- 6+ Years

## SUMMARY

Results-oriented Software Engineer with over 9 years of experience in developing software solutions utilizing Java, Kotlin, Android, PHP, MySQL, React Js, and various other technologies. Skilled in designing, implementing, and installing high-quality software designs and architecture. Adept at client interactions to successfully execute projects and ensure client satisfaction. Experienced in software development, testing, interface designing, data analytics, and distributed computing, with strong expertise in mobile application development, web design, and blockchain technology.

## EDUCATION

### B.Tech. in Computer Science & Engineering

Jun '13 - Oct '18

#### BBIT Kolkata

Kolkata, WB , IN

- Secured 77%

## KEY DEVELOPMENT PROJECTS

- WadzPay Service:** [APIs to be used by Front End, Back End and other merchants](#)
  - Used Kotlin to develop WadzPay Services. Which contains many APIs and web-hooks. It is being used by different projects of WadzPay and open to be integrated with other merchants.
  - It is a Spring Boot application. Consist of many AWS technologies. Such as ECS, EC2 , Cognito, Load balancers etc.
  - Terraform is being used to deploy on the AWS cloud servers using CircleCI for Continuous Integration and Continuous Deployment.
  - Provides APIs based digital payment integration solution for different blockchains currency
  - Created architecture for POS payments using different crypto currency and accept payments for different blockchains network transactions.
  - Platform independent integration on any use case. Fast blockchain transaction for fast crypto currency confirmation using Web3, BitGo and blockchain scans.
  - Individual contributor for full stack Blockchain development.
- WadzPay Merchant Dashboard: Web Application | Tech Stack: React Js, Java, Kotlin | Oct '21**
  - Developed a web application for merchants.
  - Different modules for transactions, refund, settings and settlement.
  - Used React Js as frontend code to design best and user friendly UI for merchants.
  - Published on AWS using Amplify. Auto update and publish on GIT commit using pipeline and slack notification using CI/CD
- WadzPay POS APIs: Backend | Tech Stack: Kotlin, Spring boot, Flyway, Swagger UI, Blockchain, Web3 , BitGo | Oct '21**
  - Merchants can create QR Code after sending a request with order details to a backend server, running on AWS ECS.
  - User easy payment using QR Code. Transaction speed for BTC improved to 98%, for digital currency of ETH network 80%.
  - Custom and updated APIs to accept order details for all type of fiat currency.
  - Used JavaScript and typescript to develop frontend.
  - Improved request and response time by implementing load-balancer of AWS.
  - Worked as a Blockchain consultant and full stack Blockchain developer (Smart Contract / Hyperledger / Solidity / Ethereum)
- SpideyManage: Mobile Applications | Tech Stack: Android Studio, PHP, XML, Kotlin | Jun '21**
  - Visitor management system. For smart visitor management and services provider tracking with realtime notification on new visitor and QR codes easy access.
  - Three application development, for guards, visitor and admin for usability .
  - Highly optimised for large number of APIs calls and instant notification to user.
  - Integrated different payment gateway over a secure communication .

## PROFESSIONAL EXPERIENCE

## Senior Software Developer

Jan '23 - Present

### WayFair

Remote

#### Software Design

- Automated CSV retrieval from GCP tables using **Google BigQuery & Cloud services**, significantly enhancing data retrieval efficiency
- Boosted data processing speed by implementing a **Python-scripted automatic trigger** for efficient CSV processing
- Implemented micro-services using **Spring Boot framework** to automate processing of 1000+ CSV files daily
- Enhanced security measures by implementing **HashiCorp Vault** to securely store sensitive information

#### Software Development

- Boosted efficiency by 20% through development of multiple Python & Flask APIs enabling data retrieval, processing, & **integration**
- Utilized Python, Node.js, & Java to develop **3 micro-services from scratch**, resulting in enhanced customer satisfaction
- Streamlined error reduction initiatives through **code review processes**, training programs, automated testing tools, quality assurance protocols, & regular feedback mechanisms to diminish errors & bug reports by 20%
- Enhanced code quality & software reliability by executing **high volumes of unit & integration test cases** using JUnit & Mockito regularly
- Implemented **GraphQL to optimize response time by 50%** & enhance data retrieval speed for projects, including a data analytics tool & an e-commerce platform
- Tripled query speed & **doubled efficiency** by leveraging SQL Alchemy for ORM projects & Postgres optimization tasks
- Enhanced e-commerce website development by incorporating **typescripts & JavaScript**, resulting in a 20% increase in user engagement

## Associate Solution Architect

Apr '22 - Jan '23

### WadzPay

Delhi, IN

#### Develop and maintain the project

- Enhanced scalability for growth by defining, developing, & supporting the architecture of **Wadzpays products** using Python, AWS, Docker, React, Terraform, & Git
- Collaborated with department heads, peer architects, Software Engineers, Business Development Team, Product Management, & various stakeholders using Jira, Agile, Slack, & Git, resulting in **enhanced innovation & streamlined communication** in the product development process
- Formulate and communicate technical vision and strategy to business and technical stakeholders
- Create and improve software using the design patterns, refactoring and development best practices
- Enhanced user engagement & expanded payment options by integrating **Bitcoin, Ethereum, & Litecoin wallets** on the crypto exchange
- Guided development teams in adopting Agile methodology, **code review processes**, & test-driven development, resulting in a 30% boost in team productivity
- Enhanced project success by decreasing timelines by **20%** through the utilization of **Agile, Scrum, & Waterfall** methodologies during project planning & estimation
- Developed user-enhancing APIs using FaaS API & Python, **overcoming data security & performance optimization challenges** to significantly improve user experience
- Prepare the architectural document artefacts
- Enhanced system performance significantly by executing architectural design spikes, resolving critical design issues, & **accelerating project completion**
- Evaluate third party software products used in the solution as needed
- Modify existing APIs to fit new use case and requirements by different vendors and clients.
- Enhanced digital payment transaction speed by reducing latency through **server upgrades**, implementing caching mechanisms, & utilizing API integrations, database optimization tools, & payment gateway software
- Create new servers and publish latest build for different clients and maintain 99.95 uptime.
- Adding new digital currency and blockchain networks to the architecture.
- Developed proof of concepts for use cases including banking sector fraud detection, healthcare patient monitoring, & **retail sales forecasting** utilizing Python programming
- Drove blockchain technology advancements & enhanced security features significantly by **developing a new coin utilizing Blockchain technology**, Crypto note base prototype, encryption algorithms, & smart contracts
- Led the creation of a genesis block using blockchain technology & mining software, resulting in a **10% increase in coin value**
- Developed Wadzpays app for Android & iOS using React Native with JavaScript & TypeScript, resulting in a **30% increase in user engagement**

## Full Stack Developer

Nov '21 - Apr '22

### WadzPay

Delhi, IN

#### Develop and maintain the project while helping fellow developers

- Optimized code performance by maintaining AWS services such as EC2 & S3, updating backend code in **Kotlin** to add new functionality & enhancements
- Maintain Frontend code of React Native and add new functions or requirements. Also help Developers in bug fixing and implementation using React, React Native and Kotlin.
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Managed data processing with Postgres & Redis databases, handling **significant data volumes** & completing various projects/tasks with these technologies

- Created rest APIs for API based integration for different payment services.
- Enhanced transaction speed by **50%** through the development of **Rest API** for **ERC20 Token** using **Node.js & Express.js**
- Led the creation & execution of **over 200 unit test cases** across Python & Java using JUnit, while conducting thorough code reviews
- Create the POC for POS transactions and implications at different client ends.
- Individual contributor for full stack Blockchain, Backend APIs development and new features implementation .

## Software Engineer (Android Developer)

Jul '21 - Oct '21

DishTv (Client) Payroll:- TeamHr

Delhi, IN

### Payment Gateways Integration

- Integrated PayPal, Square, Stripe, Paytm, CashFree, & RZPay payment gateways to expand customer payment options, resulting in a **20% improvement in checkout process efficiency**
- Diversified payment options & increased transaction volume by 30%; **slashed payment processing time by 50%** amid data security concerns, vendor communication hurdles, & technical compatibility challenges
- Dynamic selection of payment gateways according to response from server.
- Increased success Payments ratio by 60%.

### Application Development & Coding

- Created dynamic login for different types of users for the company employees and agents groups.
- Integrated multiple APIs in the application using different technologies.
- Enhanced efficiency by **20%** through the creation & maintenance of various APIs using **RxJava & RxAndroid**
- Increased stability and usability of the application by implementing a new user interface and RxAndroid and RxJava.
- Leveraged **MVC & MVVM design patterns** to significantly streamline the development process, greatly enhancing code maintainability by leveraging separation of concerns in MVC & data binding in MVVM

## Software Engineer (Android Developer)

Sep '20 - Jul '21

Spidey Manage Pvt. Ltd.

Delhi, IN

### Software Design & Installation

- Designing, developing & **installing software** solutions and developing **high-quality** software design and architecture
- Cooperating with agents and peers during entries **SDLC process** as part of ensuring timely **delivery of release cycles**
- Trained sales team and senior to install applications on user devices to use it efficiently.

### Application Development & Coding

- Assisting in developing flowcharts, layouts, diagrams, code comments, and clear code and documenting the same for the seniors
- Developing tools and **5+ applications** by producing clean & efficient code and supervising **code testing & debugging**
- Created Notification SDK and implemented it on the client's server, website and mobile app. Decreased the notification wait time by 50% and increased the user engagement by 70%.
- Boosted user engagement by 20% through the development of **cross-platform React Native apps** with features including push notifications & offline capabilities

### Stakeholder Management & System Improvement

- Collaborating with vendors and **cross-functional teams** to fix & improve products and automating tasks through appropriate **tools & scripting**
- Documenting development phases & **monitoring systems** and ensuring software is up-to-date with the latest technologies

### Operations Management

- Determining operational feasibility & proposing solutions by **assessing analysis**, problem definition, requirements, etc.
- Improving **operations by 70%** by conducting systems analysis and recommending changes in policies & procedures [LINK](#)

## Software Engineer

Mar '15 - Jun '20

Site Valley

Delhi, IN

- **Designed website** to showcase projects and blog to post articles in simple and beautiful ways.
- Automatic share on social networks with title, metadata and tags using Facebook and linkedIn APIs.
- Auto generated sitemap and triggering google search console for a better SEO experience **increased traffic** by 70%. [LINK](#)
- Mobile application store for app installation just like Google Play Store. User can also ask for creating his/her own application **increased business** by 10%.
- Integrated third-party **payment gateway** PayU Money to place the order. [LINK](#)
- Created android application for **class management**. With facilities of **video conferees**.
- **Instant results of test**. And real time notification to students and teachers.
- Used PHP and MySQL to **create APIs** and save data in database. Used **firebase** to send notification. [LINK](#)
- Developed a friendship test game using Firebase, Android studios and NodeJS. Share image of result using social networks. Used **deep-linking**.
- User can create a custom test and share it via social networks. Used **AdMob** ads reward video to give extra credits.
- Used Branch.io to create **short dynamic url containing data**. Which can be transferred to other applications on link click. **Improved usability** 30% [LINK](#)

- Android Application to provide all **shopping** site in one application. Used affiliate marketing to generate revenue.

## KEY SKILLS

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- **Software Development & Testing** • **Interface Designing** • **Data Analytics** • **Distributed Computing**
- **Mobile-based Application Development** • **Android Studio** • **Android Application** • **Google Firebase** • **Retrofit** • **Coding & Troubleshooting** • **Architecture Design** • **Web Design** • **Android App UI Design** • **Jetpack** • **Jetpack Compose** • **MySQL** • **Web Application** • **Data structure and processing JSON** • **RxJava** • **React Native** • **ReactJS** • **Postgres** • **Redis** • **GitHub** • **Expo CLI** • **AWS** • **Terraform** • **ECS** • **EC2** • **Cognito** • **Amplify AWS** • **NodeJS** • **Cognito** • **ECS** • **EC2** • **Clusters** • **AWS SES** • **AWS SNS** • **Blockchain** • **Digital Currency** • **ERC20** • **Web3** • **GCP** • **Google Cloud SQL** • **Google Cloud Buckets** • **Kubernetes** • **Docker** • **Python** • **GraphQL** • **SQL Alchemy** • **Flask** • **BigQuery** • **Google SA** • **PostgreSQL** • **MySQL** • **CloudSQL** •

## TECHNICAL SKILLS

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- Programming Languages:** Java, Kotlin , NodeJs , ReactJs, Python
- Design:** HTML5, CSS, XML, PHP, Jetpack, MUI
- Database:** , MySQL, My SQL Lite, Postgres, Radis, Cloud SQL
- Server Tools:** Git, Firebase, AWS, Spring Boot , NodeJs, Beanstack, GCS, GCS Buckets, Kubernetes, Docker

## CERTIFICATIONS

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- **CORE JAVA** | WebTek Labs Pvt. Ltd. | Jan '19
- **Mobile Application using Android** | globsyn | July'17
- **PHP with MySQL** | WebTek Labs Pvt. Ltd. | Feb'17
- **Application Of Signal Processing And System Security (Seminar)** | BBIT | Feb'15