**Nishkarsh Sharma**

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**Experience Summary**

*Total 3 years and 8 months of experience in full stack application development.*

* Technical Lead at **Finzy - Bridge Fintech Solutions Private Limited** ([www.finzy.com](http://www.finzy.com)) - (Sep 2017 - Now)
* Application Developer at **ThoughtWorks Technologies, Bangalore** (Aug 2014 to June 2017) [2 years & 9 months]
* Experience in working with technologies like **Spring Boot, Java, Typescript, NodeJS, Mongo, Neo4J, Angular 5, HTML, CSS, GoCD, Ansible, Android** andvarious **AWS services**.
* Experience in working following agile methodologies, including practices such as Pair Programming, TDD, clean architecture, frequent check-ins, CI-CD, etc.
* Experience in working with architectural patterns such as MVC, MVVM and MVP.
* Developed and published open source android libraries: [android-wificonnect](https://github.com/nishkarsh/android-wificonnect) and [android-permissions](https://github.com/nishkarsh/android-permissions) *(see* [*Github profile*](https://github.com/nishkarsh/)*)*
* Experienced in working with **bluetooth Beacons** from various manufacturers. Participated in a Hackathon to demonstrate implementation of contextual recommendations in a retail store.
* Published **6 research papers** that have crossed **175+ reads** and **10+ citations** as of this date. *(see* [*ResearchGate profile*](https://www.researchgate.net/profile/Nishkarsh_Sharma)*)*
* Highly motivated in writing clean readable code which is easier to test and extend.

**Professional Skills**

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| --- | --- |
| **Operating Systems** | Linux, Mac OS X. |
| **Languages & Platforms** | Java, Spring Boot, Angular 5, NodeJs, TypeScript, Ansible, AWS, HTML, CSS, Cypher, Android |
| **Databases** | Realm, MySQL, MongoDB, Graph Database (Neo4j) |
|  |  |

**Organizational Experience**

*From Sep 2017 with Finzy - Bridge Fintech Solutions Private Limited, Bangalore as Technical Lead.*

* *Project Title:* “**finzy - India’s premier peer to peer lending solution”** (<https://www.finzy.com>) [Current]

*Project Description*: finzy is a platform that connects personal loan borrowers with investors. Borrowers, who register and apply for personal loans, are categorized into different buckets based on the finzy score that is calculated based on their credit history and records. Investors’ money is then invested across the borrowers using a finzy algorithm. finzy is one of it’s kind of a platform that makes this whole process seamless and really fast.

***Technologies Used: Angular 5, Typescript, HTML, CSS, Bootstrap, Mongo, NodeJs, Express, AWS - [Cloudfront, Route53, SES, EC2, ELBs, S3, Cloudwatch], Ansible, GoCD***

* *Project Title:* **“ConnectedHome - Home Safety and Security Digital Solution”** *[2 months, 15 days]*

*Project Description*: An Android application for a US Based Home Automation and Security Equipment Provider that communicates with the physical devices using BLE & WiFi and also communicates with the cloud using RESTful APIs with the purpose of providing users an interface to manage their security devices placed at home.

* *Project Title:* **“Bangalore International Airport Ltd. - Digital Strategy”** *[1 year, 7 months]*

***Technologies Used: Android, Realm, Beacons, SpringBoot, MongoDB, Ansible, AWS***

*Project Description*: A microservices based digital platform hosted on AWS that manages flight and other related data. Android, iOS and Twitter channels consume Restful APIs exposed by the platform. The channels provide features such as live ***Flight Status Tracking****,* ***1-Click Free WiFi****,* ***Airport Bus Schedule****,* ***Offers & Coupons***, information about airport facilities, etc. BLR Airport app became the first airport app in India to integrate Google Indoor Maps and contextual notifications using beacons.

*Role:* Application Developer. Participated in development across various streams.

* Lead Android application development *(see* [*BLR Airport app*](https://play.google.com/store/apps/details?id=com.bial.android) *on Google Play Store)*
* Lead placement of beacons across Domestic & International Terminals at Bangalore International Airport and integration with the app to provide contextual notifications to passengers.
* Worked with Java, Spring MVC and MongoDB to create microservices and host on AWS.
* Worked with Swagger and Ansible to automate generation of API documentation for services and expose endpoints through AWS API Gateway.
* Worked with GoCD to create pipelines to automate the deployment and deliver continuously.
* *Project Title:* **“Housing for Agents”** *(see on* [*Housing for Agents*](https://play.google.com/store/apps/details?id=com.housing.android.agent) *on Google Play Store)* *[4 months, 14 days]*

***Technologies Used: Android, Realm***

*Project Description*: An Android application for brokers who are involved in real estate business. The app provides a way to manage ‘Leads’ and ‘Properties’ and easily find matching properties for leads based on their requirements and vice versa.

*Role:* Application developer mostly involved with Android development.

**Publications**

* Juhi Agarwal, **Nishkarsh Sharma**, R H Goudar, et al., “*Intelligent Semantic Search in E-Tourism Services: Making data compilation easier*”, [**Proceedings of Second International Conference on SocProS 2012, Springer**], December 28-30, 2012
* Juhi Agarwal, **Nishkarsh Sharma**, R H Goudar, et al., ”*Ranking of Searched Documents using Semantic Technology”*, [**communicated to IConDM 2013, Journal of Procedia Engineering by Elsevier**].

**Academic Projects**

* *Project Title:* “**Digital Assistant for Visually Challenged**”, funded by Research Department, Graphic Era University, Dehradun*[Major Project] [Year: 2014]*

***Technologies Used: BeagleBone Black (Open Source Hardware), various sensors, Angstrom OS, C, C++, pasm assembly coding for PRUs, APIs – pocketsphinx, gstreamer, OpenCV***

*Project Description*: A device that will help visually challenged people in navigation by helping them avoid obstacles and identify objects by assisting them through voice.

* *Project Title:* “**Improving Uttarakhand Tourism Services through Semantic Web Technology**” [Year: 2012-2013]

***Technologies Used*: *Neo4J Server (Graph Database) with Cypher Query Language at backend, HTML, CSS, JQuery (and AJAX) for designing the front end.***

*Project Description*: Uttarakhand tourism focuses on collecting and providing the detailed information about the tourist places in Uttarakhand and providing a strong search mechanism that uses semantic technology and recommendation system to provide tourists great ease to find their places of interest.

* *Project Title*: “**Vidya Vikas: A Central web-portal for availability of various academic programmes offered by educational institutes** (Earlier registered as [**http://www.vikasvidya.in**](http://www.vikasvidya.in))”, funded by Uttarakhand Council of Science & Technology (UCOST), Uttarakhand, India. [Year: 2012-2014]

***Technologies Used: HTML, CSS and JQuery for designing the front end***

**Academic Summary**

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| --- | --- | --- | --- |
| 2010 - 2014 | Graphic Era University, Dehradun, Uttarakhand | Bachelor of Technology (Major – Computer Science) | 84.18 % |

I hereby declare that the above information is true and correct to the best of my knowledge.

**Date: May 15, 2018**

**Place: Bangalore, India (Nishkarsh Sharma)**