**Ajay Bhatia**

**Senior Software Consultant & Developer having more than 18 years of experience with a demonstrated history of working on complex business application and machine learning problems. Skilled in React, React Native, Flutter, Android, Java, Python, Machine Learning, Django, PHP, C++, HTML, CSS, jQuery and other modern web and mobile libraries and frameworks along serverless technologies.**

**Contact Information:**

* Escort Street Manavta Nagar , Sutehri Road , Hoshiarpur , Punjab , INDIA 146001
* Voice: (+91)9815233725
* E-mail: [prof.ajaybhatia@gmail.com](mailto:prof.ajaybhatia@gmail.com)

**Technical Skills:**

* Languages: C, C++, Java, Python, Node, Ruby, MATLAB, ASP.NET, C#.NET, Unix Shell Scripting, HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, XML.
* Frameworks/Libraries: React, React Native, Flutter, Angular (2 Onwards), Vue.js, Meteor, Django Framework, Flask Micro-framework, Rails Framework, web2py Framework, JSF Framework, Laravel Framework, CodeIgnitor 2 Framework.
* Machine Learning: Fuzzy logic and Neural Network toolboxes in MATLAB, all major APIs in Python and Java for Neural Networks, Fuzzy logic, Fuzzy Cognitive Maps.
* Databases, Servers & Applications: Mongo, MySQL, Postgres, MS-SQL Server, Apache Webserver, GlassFish Application & Webserver, Apache, Apache Tomcat, IIS, LATEX, Spreadsheet, and Presentation software.
* Cloud Services: DigitalOcean, Heroku, AWS, Google Cloud.
* Operating Systems: Gnu/Linux (Primary), Unix (BSD), Windows, Mac.

**Projects:**

**App Working:**

1. **v-inspect-dashboard** [***https://vinspect-app-dev.herokuapp.com***](https://vinspect-app-dev.herokuapp.com)***.***

**App Working:**

* Ubiqutous solution for virtual inspections of housekeeping work of private holiday properties across USA using wearable IoT devices v-inspect-mobile.
* Ubiqutous solution for virtual inspections of housekeeping work of private holiday properties across USA using wearable IoT devices v-inspect-server https://vinspect-server-dev.herokuapp.com/api.
* Ubiqutous solution for virtual inspections of housekeeping work of private holiday properties across USA using wearable IoT devices codebase https://codebase.cc.
* A/B Testing clients analytical tool developed in MERGN ang Google APIs.

1. **Visory Health** [**https://www.visoryhealth.com**](https://www.visoryhealth.com)**.**

**App Working:**

* Visory Health web app to search for the availability of drugs with their alternatives, for lowest price across all pharmacies which have contract with Visory Health all over US.

1. **Visory Health Mobile Apps** Available in both App Stores

**App Working:**

* Visory Health mobile apps to search for the availability of drugs with their alternatives, for lowest price across all pharmacies which have contract with Visory Health all over US

1. **CCAP:**

**App Working:**

* Visory Health Customer Care Admin Portal for Pharmacy Benefit Management

1. **Syndee Available in both App Stores**

**App Working:**

* Families rely on Syndee to plan and run their households - from everyday chores to once in a lifetime moments. You don’t have to start with a blank sheet of paper ever again - whether it is home organization or maintenance, vehicle maintenance, childcare, celebrations, side hustles or any one of the other infinite household activities, Syndee community has a plan to get you started. Syndee community - your neighbors, friends and ”home celebrities” - will help you discover projects to level up your life, and give a plan (a.k.a Syndee recipes) to help you tackle your goals. Developed using MERNGN stack.

1. **SmartStudy CRM**

**App Working:**

* Customer Relationship Management (Immigration) for SmartStudy Group

1. **DPC: Digital Platform for Credentials (Govt. of Punjab)**

**App Working:**

* Digital Platform for Credentials for Universities of Punjab

1. **AHPS Pathshala** <https://play.google.com/store/apps/details?id=com.ahpshoshiarpur.pathshala>.

**App Working:**

* AHPS Pathshala is a mobile application made for the stakeholders of Academic Height Public School and Bachpan Play School. Using this app parents can monitor the progress of their ward in the academic activities, view their daily attendance, daily work done in class, view online test results of online quiz through app, important events and time table. Students can give scheduled tests, submit assigned homeworks, attend online classes, chat with their subject teachers, view notes by subject teachers, watch video notes posted by subject teachers, daily quotes, random math facts, random vocabulary with meaning and example and watch suggested videos. Teachers can post daily attendance, daily classwork, homework, video lectures, deliver online class, create tests and chat with students.
* The app is developed majorly in React Native and firebase.

1. **AHPS Pathshala** Web Admin <https://ahps-sap.web.app/>.

**App Working:**

* AHPS Pathshala (foremly AHPS SAP) is a web-admin for AHPS Pathshala mobile app. Admin and Teachers are the members who has direct control to the application for managing various activities to be posted, administrate and manage by the school’s staff, teacher and admin. The app is made using React as front-end with firebase as a backend for managing data, resources, cloud functions, hosting and push notifications.

1. **AHPS Pathshala Video Conferencing Platform** https://pathshala.ahpshoshiarpur.com.

**App Working:**

* AHPS Pathshala Video Conferencing Platform is a self-managed and self-hosted Learning Management System (LMS) for teaching remote students online. It offers audio/video sharing, presentations with extended whiteboard capabilities - such as a pointer, zooming and drawing - public and private chat, breakout rooms, screen sharing, integrated VoIP using FreeSWITCH, and support for presentation of PDF documents and Microsoft Office documents. It uses the browser’s support for web real-time communications WebRTC to send/receive audio, video, and screen.

1. **AHPS Accounts** <https://accounts-ahps.web.app/>

**App Working:**

* AHPS Accounts is an accounting web-based management application for managing student fee with features like fee headers management, fine management, concession management, various fee reports - default lists, fee cards, fee history, cash management. Accounting and management for other stocks of school is work-in-progress. The app is made using React and firebase as a part of AHPS Pathshala ecosystem.

1. **Emotify Dashboard** (Work in Progess) <https://www.goemotify.com/>.

**App Working:**

* Emotify Dashboard is a user reaction and engagement tool for online publishers, news websites and blogs, powered by AI. It is basically emotional intelligence for user’s website. The product is owned by Emotify which has working production version which is made in RoR and PostgresSQL. The project under my development is a next release which in using React, Firebase, Apollo GraphQL server and MongoDB as a technology stack.

1. **Emotify Comments Widget** (Work in Progess)

**App Working:**

* Emotify Comments widget is the part of whole emotify ecosystem which is basically a commenting system for users on the stories (pages) posted. The whole project has micro footprints and is being developed using Preact, Firebase, Apollo GraphQL Server (with subscriptions) and MongoDB.

1. **OnThisDay** <https://play.google.com/store/apps/details?id=com.ajaybhatia.onthisday>.

**App Working:**

* OnThisDay is a history tracking app which shows various events happened on specific day ranging from births, deaths, anniverseries to all historical events. Typescript, ApolloServer, ApolloClient, web-scarping and React Native are used as main technologies.

1. **EMGTickets** <http://emgtickets.com/>.

**App Working:**

* EMGTickets is an ubiquitous event ticket reservation system developed for Elevated Media Group, a canadian ticket marketplace company which also manages various events across Canada and USA. Using this product user can view the various upcoming events, it’s SVG map, can book a seat by relocating on visual map and gets regular notifications. The app is available both on web and mobile.
* The main technology stack used to develop this product is Meteor reactive framework with React and React Native as frontend.

1. **BidMyStay** <https://play.google.com/store/apps/details?id=com.bidmystay>.

**App Working:**

* BidMyStay is a cross-platform mobile application for both Android and iOS. Using this app a user can book properties, villas, hotels, and other accommodations on the basis of bid placed. This product belongs to QuartetVision. This product is developed in React native with backend provided by the contract company.

1. **GSTNext** <https://gstnext.herokuapp.com/>.

**App Working:**

* GSTNext is a cross-platform and cloud based solution for managing GST with Inventory Management, Billing, and Accounts Management for small shops. This is a personal product made using Meteor and Blaze.

1. **YuPlayGod Downloads (Official)** <http://download.yuplaygod.com/>.

**App Working:**

* YuPlayGod Downloads is a web app for maintaining various ROM builds for YU series of smartphones. This project was a part of contract with Informatics Ltd. This project is purely developed in jQuery with web scraping from their own servers without writing any API server.

1. **YuPlayGod Developers (Official)** <http://developer.yuplaygod.com/>.

**App Working:**

* YuPlayGod Developers is a web app for Project Highway by YU Televentures for YU smartphone developers and collaborators where they can follow the set standards laid down by YU Televentures to develop and release a ROM for their smartphones, It is like a continous integration tool for ROM and release management. The project was made in PHP using Laravel Framework and MySQL backend.

1. **Kesari Pane** <http://www.kespripane.com/>.

**App Working:**

* Kesari Pane is a punjabi dictionary and search engine for the people who want to connect with each other in native language punjabi. The project is owned by NRI whois residing in USA and part of his charity programme towards punajbi and sikh literature. The project is developed in pure PHP with MySQL.

1. **TPEngine** <http://tpengine.com/>

**App Working**

* TPEngine is the web application for handling and implementing Fuzzy Cognitive Maps for realtime/life scenarios. It uses The Possibility Engine API as back engine. This is fully data-driven web application made in full-stack web framework Java Server Faces 2.2. The web container and server used to deploy this web app is Glassfish. The project is developed for Thicket Labs LLC, NY as a part of UN funding project.

1. **The Possibility Engine**

**App Working:**

* The Possibility Engine is a library for Fuzzy Cognitive Maps in Java for Thicket Labs LLC, NY as a part of TPEngine. The project is developed single handed with the inputs from Troy University Research Team, Alabama, USA.

1. **Xtreme Kernels**

**App Working:**

* First-Ever Kernel Worldwide (Xtreme Series by screen name andiroxu for MediaTek 6577 Based SoC Phone Brand MicroMax, Model Canvas 2, which supported Jelly Bean (4.2.x-4.3.x) with multiple features and optimizations for RAM, Camera, WiFi, File System and Battery

1. **Project Xtreme**

**App Working**

* Project Xtreme - a very popular MOD for android devices which was very popular on XDA Developer Forum with screen name andeveloper

1. **Xtreme Booster**

**App Working**

* Xtreme Booster, is a memory management android app for rooted devices. A very popular app on XDA with screen name andeveloper

**Education:**

# Punjab Technical University, Jalandhar INDIA

* Pursuing Ph.D. Computer Science, September, 2012 (*Pre-Thesis*).
* Dissertation Topic: “Pattern Analysis of Physical Activity Data using Computational Approach”
* Advisor: Rajeshwar Singh, Ph.D., Campus Director, DKTGI, Shaheed Bhagat Singh Nagar, Punjab, INDIA

# University Grant Commission, New Delhi INDIA

* National Eligibility Test for Junior Research Fellowship and Eligibility for Assistant Professor, December, 2012.

1. **The ICFAI University, Dehradun, Uttarakhand INDIA**

* Masters of Computer Applications, September, 2007

# Guru Nanak Dev University, Amritsar, Punjab INDIA

* B.Sc. (Information Technology), May, 2004

1. **Machine Learning (*Coursera*), Stanford University, USA, Fall Summers 2015**

**Honors and Awards:**

* Guest Speaker, Google Flutter & Cloud, Various Organizations, 2018-2019
* Best Contributor, Education & Admissions, RBGI, 2019, Voter Awareness, Voter Carnival, District Adminstration, 2017
* Best Motivator, District Administration & District Welfare, 2016
* Technology Contributor, ERP System, CT Group, Jalandhar, 2009
* B.Sc.(Information Technology) with Disctinction, 2004
* First Position in Univeristy Examination, 2001-2004

**Professional Experience:**

* Software Consultant & Freelancer (August, 2004 – Current)
* Schnell Digital Technologies (G&S Consulting), India *Senior Full Stack Developer – Consultant* March, 2021 - Present
* Schroeder & Weische GmbH (Accelerated), Germany *Senior Full Stack Developer – Consultant* May, 2022 – Present

* Aexonic Inc, USA *Senior Full Stack Developer – Consultant* January, 2021 - Present
* Google INDIA *Google Community Lead* September, 2019 – Present
* Google, INDIA *Google Cloud Platform Facilitator* January, 2019 - August, 2019
* Google, INDIA *Machine Learning Crash Course Facilitator* August, 2018 - December, 2018
* Micromax Informatics Ltd., 90-B, Sector 18, Gurgaon 122015, INDIA *Technical Consultant* June, 2016 - December, 2017
* Consultation of various internals of development in Mobile and Web apps like *http://download.yuplaygod.com* and *http://developer.yuplaygod.com*
* Thicket Labs LLC, 67 West Street Brooklyn, NY 11222 *Senior Software Developer & Project Manager* May, 2014 - March 2016
* Designed and Developed *The Possibilty Engine* - A comprehensive solution to manage human complexity