# KSHITIJ DHYANI

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## SKILLS SUMMARY

- **Languages**:    **JavaScript (ES5/ES6)**, Typescript, C, C++, HTML5, **Python**, JAVA, PHP, CSS3, .NET and Go.
- **Frameworks**:   **Node.js**, Express.js, MongoDB, Vue.js, **React.js**, AWS, Flutter, React Native, MySQL, Firebase
- **Tools**:            Git, **Github**, GCP, GraphQL, Postman, SASS, REST APIs, Linux, **Heroku**, Docker, NoSQL, Azure
- **Skills**:           Front-end, **Agile**, Back-end, Full-Stack, Micro-services, **CI/CD**, , SCRUM, Open Source, Unit Testing

## EXPERIENCE

**Software Developer - Decision Theater Lab at Arizona State University (ASU)**              Arizona, U.S.A
*Part-time*                                                                                                    *September 2022 - Present*

- **Developed**: mobile app in **Flutter** supporting a user base of **4000+** users. Utilized **Flask** on the backend to create a **RESTful** architecture supporting **47** different **API** calls.

- **Built**: and led development of several products **E2E**, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, **testing**, and configuring metrics, alarms, monitors, and dashboards.

- **Deployed**: and Integrated Continuous Integration/Deployment Pipeline (**CI/CD**), Reviewed Pull requests (**PRs**), Performed deep code reviews, Implemented load/stress testing, and unit/integration/e2e testing

**Software Developer - BlueSapling Technology Pvt Ltd**                                     Bangalore, India
*Full-Time*                                                                                                    *November 2021 - August 2022*

- **Developed**: Worked on **React.js** extensively. Gained exposure to **enterprise-grade** software coding. Lived through the **SDLC** life cycle. Experienced agile and scrum working methodologies in an office environment.

- **Created**: and collaborated with a team of **9 people** and enriched existing system metrics by **17%**. Increased projected annual revenue by **$1.3 million** by implementing optimized business logic through code.

- **Optimized**: legacy code implementations - accelerated front-end compile time by **20%**. Saved up to 1 hour of developer's time every day, using technologies such as **Redux**, Redux-saga, React-Router, **Typescript**, **Cypress** for E2E testing, PostgreSQL, and **BitBucket** for collaboration.

## PROJECTS

Links to all projects are provided as hyperlinks .

- **Amigos (APIs, WebSocket, Database)** (link): (**User base of 2000+**) Randomly pairs up students with one another over a video chat-room for ice-breaking. Tech: **Webpack**, Object Oriented Design, OAuth2, Web Tokens (October '20).

- **Good-morning Girlfriend (Automation)** (link): Platform that automatically takes care of sending good morning messages while the user sips the morning green tea. Tech: Javascript, **JSON**, Amazon Web Services, **jQuery** (March '20).
- **B.Tech Blueprint (Database, Live Chat, Real-time Assistance)** (link): (Helped more than **5000+ students**) A complete and comprehensive blueprint on how to structure credits and subjects during B.Tech Degree. Total usage statistics upwards of **10000+ hours**. Tech: **HTML**, EJS, Bootstrap, Express.js, **CSS**, MongoDB (November '20).

- **Study Buddy (Back-end, Python)**(link): Automatically generates WhatsApp groups to bridge the gap between students and teachers. This benefited more than **8000+** students to communicate and collaborate better during the academic semester. Tech: Python, Django, reCAPTCHA, Angular.js, SQL, Promises/Async/Await (August '20).

- **Auto-Docs (Block-chain, Smart Contracts)** (link): Provides a **100%** tamper-proof, immutable solution to document verification required by employers and educational institutes. Tech: **Solidity**, Remix - IDE, Metamask, Ethereum Rinkby Test net, Chart.js, **Web3.js**, Ethereum Faucets, Application Binary Interface (ABI), Gnache, Truffle.js (January '21).

- **Medix- Smart Pill Bottle (Android, IOS, Electronic Product)**(Patent Filed at IPO): A comprehensive solution to managing pills and medications, by placing the pill bottle on the mobile screen. Offers analytical and usage statistics, and reminders. Tech: **React Native**, Capacitive Touch Screens, Push Notifications, Touch-point Detection (May '20).

## EDUCATION

**Arizona State University (ASU), Tempe Campus**                                             Arizona, U.S.A
*Master in Science - Computer Science (MSCS) - Ira A. Fulton Schools of Engineering (CGPA 3.89)*     *August 2022 - Present*
**The Wharton School, University of Pennsylvania, Online**                                        U.S.A
*Artificial Intelligence for Business - Big Data, Artificial Intelligence, and Machine Learning*              *Present*