KSHITIJ DHYANI

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SKILLS SUMMARY

- **Languages**: **JavaScript (ES5/ES6)**, Python, C, **Typescript**, C++, CSS, HTML, Dart, **JSON** and Yaml.
- **Frameworks**: **Node.js**, Express.js, MongoDB, Vue.js, **React.js**, Flutter, Next.js, **Firebase**, GraphQL, MySQL
- **Tools**: **Git**, GitLab, Postman, **AWS**, REST APIs, Linux, Material UI, **Docker**, Jira, Kubernetes, Azure
- **Skills**: Front-end, **Agile**, Back-end, Unit testing, Micro-services, **CI/CD**, SCRUM, Kanban, **DevOps**

EXPERIENCE

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

- **Developed**: 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.

- **Built**: and led design, development, and maintenance of scalable and high-performance products **E2E** from identifying system requirements to software implementation, **testing**, and configuring metrics, alarms, monitors, and dashboards.

- **Deployed**: and integrated a multi-staged CI/CD pipeline with version locking and roll-back capabilities, performed **code review**, curated **documentation**, implemented load/stress testing, and **unit/integration/e2e** testing.

Software Developer Intern - Rivian Automotive - Electric Adventure Vehicles Illinois, U.S.A
Full-Time *May 2023 - December 2023*

- **Developed**: and designed scalable, distributed, low latency, and high throughput fleet management systems with continuous integration and deployment capabilities. Harnessed K3s, Docker, AWS Lambda, **Terraform**, and Node.js.

- **Deployed**: a total of **133** vision solutions across the factory, reduced cycle-time by **23%**. Designed platform and service architecture employing enterprise integration patterns. Adopted AWS and YOLOv5, TensorFlow, **PyTorch**, and Spark.

- **Optimized**: legacy code implementations - accelerated software performance by **20%**. Scaled products leveraging Typescript, React.js, **Redux**, Flux, Vite, **Mongoose**, Docker, **K8s** for horizontal scaling, and **BitBucket** for version control.

PROJECTS

Shared hyperlinks for all projects.

- **Amigos (APIs, MVC Design Patterns)** (link): (**User base of 2000+**) Randomly pairs up students with one another over a video chat-room for ice-breaking. Tech: **Webpack**, Tailwind CSS, Storybook, SCSS, GitHub Actions (October 2023).

- **Good-morning Girlfriend (Automation)** (link): Programmed a platform automating the delivery of daily greetings, enhancing UX and reducing user's cognitive load. Tech: **Redis**, SQL, **AWS lambda**, Javascript, and NPM (March 2023).

- **B.Tech Blueprint (Cloud native systems)** (link): (Facilitated more than **5000+ students**) Implemented a blueprint to structure credits and subjects during B.Tech Degree. Total usage statistics upwards of **10000+ hours**. Tech: **EKS**, EC2, Bootstrap, S3, **ECR**, DynamoDB, Object Oriented Programming OOP, **CloudWatch** and Cypress (January 2023).

- **Study Buddy (Back-end, Python)**(link): Automated creation of chat groups to enhance communication and collaboration between students and teachers, benefiting over **8000+** students throughout the academic semester. Employed technologies such as Python, Django, GCP, **Angular.js**, Jenkins, SQL, **Restful APIs**, and Distributed systems.(August 2022).

- **Auto-Docs (Block-chain, Smart Contracts)** (link): Engineered a **100%** tamper-proof, immutable solution to document verification adopted by employers and educational institutions. Tech: jQuery, **AWS**, IAM, VPC, **D3.js**, NGINX, Test Driven Development (TDD), OAuth, Cloudfront, Kinesis and Software Development Life Cycle (**SDLC**) (June 2022).

- **Medix- Smart Pill Bottle (Android, IOS)**(Paper): Innovated a software solution to managing pills and medications. Offers analytics, usage statistics, and reminders. Tech: **React Native**, Shell Scripting, **Firebase** and Firestore (May 2022).

EDUCATION

The Wharton School, University of Pennsylvania U.S.A
Artificial Intelligence for Business - Big Data, Artificial Intelligence, and Machine Learning *Present*

Arizona State University (ASU), Tempe Arizona, U.S.A
Master in Science - Computer Science (MSCS) - Ira A. Fulton Schools of Engineering (CGPA 3.89) *August 2022 - Present*