

# KSHITIJ DHYANI

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## SKILLS SUMMARY

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- **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

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**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. Using K3s, Docker, AWS Lambda, **Terraform**, and Node.js.
- **Deployed:** a total of **133** vision solutions across the factory, reduced cycle-time by **13%**. Designed platform and service architecture using enterprise integration patterns. Using AWS and YOLOv5 for object detection.
- **Optimized:** legacy code implementations - accelerated software performance by **20%**. Scaled products using Typescript, React.js, **Redux**, Flux, esBuild, **Mongoose**, Docker, **K8s** for horizontal scaling, and **BitBucket** for version control.

**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.

## PROJECTS

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Links to all projects are provided as hyperlinks .

- **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):** Platform that automatically takes care of sending good morning messages while the user sips the morning green tea. Tech: **Redis**, SQL, **AWS lambda**, Javascript and NPM (March 2023).
- **B.Tech Blueprint (Cloud native systems) (link):** (Helped more than **5000+ students**) A comprehensive blueprint on how 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):** 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, GCP, **Angular.js**, Jenkins, SQL, **Restful APIs** and Distributed systems (August 2022).
- **Auto-Docs (Block-chain, Smart Contracts) (link):** Provides a **100%** tamper-proof, immutable solution to document verification required by employers and educational institutes. 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):** A software solution to managing pills and medications. Offers analytical, usage statistics, and reminders. Tech: **React Native**, Shell Scripting, **Firebase** and Firestore (May 2022).

## EDUCATION

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**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

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