

Portfolio: kshitijdhyan.com

Github: github.com/wimpywarlord

+1 623-268-9886 / North Carolina, NC (Ready to Relocate)

Linkedin : www.linkedin.com/in/kshitijdhyan

## SKILLS SUMMARY

- **Languages:** **Java**, JavaScript (ES5/ES6), C/C++/C#, **Go**, Typescript, HTML, Spring, **Python**.
- **Frameworks:** Express.js, **Kubernetes**, MongoDB, Node.js, **Docker**, React.js, Next.js, **GraphQL**, MySQL
- **Tools:** **Git**, GCP, Redux, **AWS**, Linux, Firebase, Material UI, **REST APIs**, Jira, Flutter, Azure
- **Skills:** Front-end, **Agile**, Back-end, Unit testing, Microservices, **CI/CD**, SCRUM, SDLC, **DevOps**

## EXPERIENCE

### Washington University in St. Louis - Software Developer

Present

Missouri, U.S.A

- **Resolved:** 7+ distinct performance bottlenecks in a distributed software architecture for large-scale deployments. Extended build system to integrate with cloud for higher cost efficiency, cutting cost burden to company by **17%**.

### Sandra Day O'Connor College of Law (ASU) - Software Engineer

December 2023 - July 2024

Arizona, U.S.A

- **Visualized:** past **200+** years of judicial records. Curated extensive data sets. Employed **data analysis** measures to predict judicial decision making behaviour. Utilized **statistical modeling** methods to model judicial activism.

### Decision Theater - Arizona State University (ASU) - Backend Developer

September 2022 - May 2024

Arizona, U.S.A

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

### Rivian Automotive - Full-stack Software Engineer

May 2023 - December 2023

Illinois, U.S.A

- **Developed:** in a cross-functional manner 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.
- **Fine Tuned:** a large language model (LLM) using **GEN-AI** frameworks such as LangChain, OpenAI, FAISS.
- **Developed:** and designed scalable, distributed, low latency, and high throughput fleet management systems with continuous integration and deployment capabilities. Harnessed K3s, Docker, Tekton, **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 **Google Cloud**, TensorFlow, PyTorch, and Firebase.
- **Engineered:** the UI/UX of software products using user-centric design methodologies. Integrated **A/B testing** to validate design changes which led to a **19%** increase in user retention and a **14%** increase in user engagement.

## PROJECTS

- **A M I G O S (APIs, MVC Design Patterns) (link):** (User base of **2000+**) Pairs students over a video chat-room for ice-breaking. Tech: **Webpack**, Tailwind CSS, NGINX, SCSS, DynamoDB, DOM Manipulation (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: **Redux**, EC2, Bootstrap, S3, **NPM/Yarn**, JS Object Model, **Babel** and Cypress (January 2023).

## EDUCATION

### Arizona State University (ASU), Tempe

Arizona, U.S.A

- *Master in Science - Computer Science - Data Structures and Algorithms, DBMS (CGPA 3.89)*

### Vellore Institute of Technology (VIT), Vellore

Tamil Nadu, India

- *Bachelor's in Information Technology - Distributed systems, Operating Systems (CGPA 3.99)*