**Raumil Dhandhukia**

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**education**

**Master of Science in Software Engineering May 2024**

Arizona State University **Tempe, AZ**

**Bachelor of Engineering in Computer Engineering May 2021**

Gujarat Technological University **Gujarat, India**

**skills summary**

**Languages/Databases:** JavaScript, TypeScript, Python, Java, PostgreSQL, MySQL, MongoDB, HTML5, CSS

**Libraries/Frameworks:** Next.js, React, Redux, Node.js, Prisma, Flask, Auth.js, Socket.io, Tailwind CSS, Rest API

**Tools:** Git, Docker, Google Analytics, AWS (EC2, S3, SQS, Lambda, DynamoDB), Vercel, Resend, Unity, Cypress

**Work experience**

**Software Engineer May 2021 - July 2022**

Setu Consulting Services Pvt. Ltd. **Gujarat, India**

* Achieved a **30% cost reduction** by incorporating Google Maps into the Fleet System using **React, and Python**
* Revamped HR processes for improved leave management in existing CRM utilizing **React** and **Node.js**
* Improved **customer retention** by **60%** through strategizing **RMF Analysis** (data-driven classification) operating on **PostgreSQL** stored procedures. Set up personalized marketing email system with **Python**, **JavaScript**
* Integrated marketplaces for product updates and financial tracking aided by **Webhooks** and **REST APIs**
* Created real-time CRM dashboard leveraging **WebSocket** for dynamic, interactive data updates
* Improved scheduler performance to 3 seconds by converting **Python** logic to **PostgreSQL** stored Procedures

**Developer Intern January 2021 - April 2021**

Emipro Technologies Pvt. Ltd. **Gujarat, India**

* Composed Stored Procedures in **PostgreSQL** for predictive cash flow by **analyzing historical financial data**
* Developed a dynamic configuration system using **Python**, **JavaScript** to optimize cash flow analysis

**project experience**

**Inbox Radar AI (AI Inbox Organizer and Insights) June 2024 - Present**

Next.js, React, TypeScript, PostgreSQL, Gmail API, Stripe, Tailwind CSS **Tempe, AZ**

* Developed an **AI SaaS** app to organize inboxes, **categorize emails**, providing productivity-enhancing insights and **custom label generation** features using **Next.js, React, and PostgreSQL, Gmail API and Gemini model**
* Integrated **Stripe** for tiered payment options and **OAuth** for Google authentication, ensuring secure user access.

**Next-Notes (Note Sharing Web Application) May 2024**

Next.js, React, Auth.js, TypeScript, Prisma, MongoDB **Tempe, AZ**

* Implemented **collaborative note-taking features** supporting concurrent users with **synchronized cursors** using **Yjs** and **WebSocket** server, and real-time data updates alongside **API throttling**
* Developed with **Next.js, TypeScript, Prisma, MongoDB,** and **Tailwind CSS** and deployed on **Vercel**
* Facilitated **JWT** session strategy authentication and integrated **OAuth** (Google/GitHub) using **Auth.js**

**Cloud Based Auto Scaling Image Recognition Service January 2023 - February 2023**

AWS (EC2, SQS, S3), Python, Flask **Tempe, AZ**

* Accomplished a decoupled **AWS** architecture for a cloud-based image recognition service using **Python**
* Leveraged **EC2** instances, **Lambda**, **SQS** queues, and **S3** buckets to streamline image processing and output

**Macaroni (A Programming Language) February 2023 - April 2023**

Java, ANTLR **Tempe, AZ**

* **Led a team of 5** and engineered a programming language and its syntax supporting various variables, loops, and conditional statements using **Java**, ANTLR