

KRUNAL JETHVA

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About Me

- Experienced Software Engineer with **2+ years** of expertise in Enterprise Application **Design, Development** and **Support**.
- Accomplished **multi-tasker** who functions well independently or as part of a team.
- Strong problem-solving skills and a focus on creating **Efficient** and **Scalable** Software.
- Effective **Leader, Collaborator, and Communicator** with a track record of driving successful project outcomes
- Ability to **quickly learn** and adapt to new emerging technologies and paradigms.

Experience

Tark Technologies LLP

April 2024 – Present

Sr. Software Engineer

Rajkot, Gujarat

- Mentored interns, providing guidance and support to help them develop their technical skills.
- Organized hackathons and tech events to foster innovation and collaboration among team members and college students.

Tark Technologies LLP

July 2022 – April 2024

Jr. Software Engineer

Rajkot, Gujarat

- Developed Restful APIs to manage data for a suite of applications, including web and mobile.
- Refactored code across various services in the .NET platform, ensuring clean, maintainable, and efficient code.
- Leveraged AWS SQS, SNS, S3, and Cloudflare to improve application performance, reliability, and scalability.
- Developed Home-Seer plugins to enhance the functionality of home automation devices, that were actually utilized by POS in various scenarios.
- Worked on various solution architectures, such as layered, mediator and onion.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs, and enhancements.

Tark Technologies LLP

Sep 2021 – June 2022

Software Engineer Intern

Rajkot, Gujarat

- Developed an airline reservation project using .NET web API and Angular. Implemented a Graph search algorithm to efficiently find connecting flights in case of layovers, and incorporated common flight norms such as one-way, two-way and multicity options.

Projects

POS for Restaurant | .NET, Angular, AWS

- Developed and maintained a POS system for restaurant using .NET and Angular, enhancing order management and improving overall operational efficiency.
- Collaborated on developing digital menu widgets that allow users to define widget/item behavior during standard restaurant product operations (e.g., behavior when a product is out of stock)
- Redesigned the codebase of the POS Angular project by implementing custom form, validation, and directive components, as well as modernized the entire frontend application
- Created service that checks for unsaved changes in a form and displays a warning if the user attempts to navigate away from the page
- Implemented multi-location functionality. For that I Leveraged AWS SQS, SNS, S3, and Cloudflare to improve application performance, reliability, and scalability.

Printer Management Dashboard | .NET, Angular

- Created a printer dashboard that displays the status and pending jobs of a printer mapped to a POS system. Users can get insights, manually delete pending jobs (jobs are automatically deleted if they are pending for too long).During development, I gained a deep understanding of how Windows handles printers.

Online Order Site | Angular

- Worked on an online food ordering platform using Angular, enabling seamless user experience for placing orders and improving the efficiency of restaurant operations.

Audio Recording Module for POS | *Flask, Python*

- Developed Python-based audio recording module designed for integration with POS systems, enabling seamless capture and storage of audio interactions. This solution supports high-quality audio recording, playback, and management, enhancing customer service and providing valuable insights for businesses.

Transformation Conversational Chat | *Python, Flask, MongoDB, HTML, CSS, Bootstrap, Heroku* **January 2021**

- Developed chat app with auto-translation to user preferred language using web-sockets, Google Translate and login module with authentication and authorization.

RMC Chat Bot | *Python, RASA, AWS, YAML* **February 2021**

- Developed an NLP-based chatbot for Rajkot Municipal Corporation (RMC) to provide online services. Developed a machine learning model that address common queries, and Provided relevant links and information to users.
- Used AWS S3 buckets as deployment platform, which helped gain insight of AWS eco-system

YouTube-Transcript-Summarizer | *JavaScript, Python, HTML, CSS* **October 2020**

- Developed a Chrome Extension that utilizes a back-end REST API to perform NLP on YouTube transcripts and provide summarized versions.

Technical Skills

Languages: TypeScript, C#, SQL, Python, Java, HTML/CSS

Developer Tools: Visual Studio, VS Code, JetBrains IDEs, Postman

Technologies/Frameworks: .NET, Angular, Git, Node, Linux, Docker, GCP, AWS

Relevant Coursework: Data Structures, Software Methodology, Operating System, Database Management, Computer Network, Algorithms Analysis, Artificial Intelligence, Computer Architecture

Education

V.V.P. Engineering College - 9.26 CGPA

Bachelor of Science in Computer Engineering

Sep. 2018 – May 2022

Rajkot, Gujarat

Alpha High School - 91.48 PR

Higher Secondary School

Jun 2016 – March 2018

Junagadh, Gujarat

Alpha High School - 98.95 PR

Secondary School

Jun 2015 – March 2016

Junagadh, Gujarat