

SRIKAR PUNNA

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OBJECTIVE:

Dynamic and innovative IT professional with a strong foundation in software engineering and cloud technologies, seeking to leverage my expertise in business technology integration and data-driven solutions. Passionate about employing agile methodologies and collaborative approaches to drive efficient business processes and deliver high-impact solutions in regulated environments. Eager to contribute to teams that value creativity, learning agility, and a commitment to advancing healthcare through technological excellence.

PORTIFLIO:

View my professional portfolio showcasing a range of software development projects, including applications developed using Python, Fast API, React TypeScript, and cloud technologies: Srikar Punna

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, C++, C, Java
- **Web Technologies:** HTML5, CSS3, Bootstrap, Node.js, Express.js, React, Angular
- **Databases:** MySQL
- **Developer Tools:** Visual Studio Code, Eclipse, Post Man, Git
- **Hard Skills:** Predictive Modeling, Regression, Machine Learning technology, Data Structures
- **Soft Skills:** Time Management, Critical Thinking, Teamwork and Collaboration, Written and Verbal Communication.

WORK HISTORY

Rocket Central – Detroit, MI, USA

May 2023 – August 2023

Software engineer intern

- Engaged in the full Software Development Life Cycle (SDLC) in Agile teams, developing and deploying cloud infrastructure.
- Conceptualized data discoverability tool; improved metadata lookup and management.
- Implemented secure OAuth 2.0 in React TypeScript, enhanced user security.
- Collaborated on API endpoints; integrated with Fast API Python.
- Utilized CI/CD pipelines with CircleCI; aligned with industry best practices.
- Streamlined web hosting using Amazon S3, CloudFront; ensured performance.

Tata Consultancy Services - Hyderabad, IN

Jan 2021 – July 2022

Associate Software Engineer

- Led the development of a sophisticated front-end application using React.js, resulting in an enhanced user interface.
- Collaborated with backend teams to design and implement RESTful APIs, improving data exchange efficiency and system responsiveness.
- Managed deployment and continuous integration of the application using Jenkins, optimizing the development pipeline for speed and reliability.
- Spearheaded backend development tasks including AWS deployment, server management, and endpoint logic creation, ensuring robust and scalable server-side solutions.
- Actively participated in Agile development cycles, contributing to sprint planning and execution while ensuring timely delivery of software components.

Content Writing Intern

- Conducting in-depth research on industry-related topics to develop original content. Developing content for blogs, articles, product descriptions, social media, and the company website. Identifying customers' needs and recommending new content.
- Assisting the marketing team in developing content for advertising campaigns

SOFTWARE ENGINEER EXPERIENCE

Data Discoverability Tool

May 2023 - August 2023

Developed a Data Discoverability Tool to improve metadata management and data lookup within the organization.

The tool was created to make data assets easily and securely accessible to various departments.

- Conducted requirements analysis to define user needs and functional specifications.
- Utilized Python and Fast API for backend development, offering an API for metadata search and management.
- Implemented OAuth 2.0 authentication in a frontend developed with React and TypeScript to enhance user security.
- Employed Elasticsearch for quick and scalable search capabilities.
- Integrated CI/CD pipelines using CircleCI for automated testing and deployment.
- Achieved a 35% improvement in metadata lookup times and enabled secure, role-based access to over 5000 data assets.

Technologies Used: Python, Fast API, React TypeScript, Amazon S3, CloudFront, CircleCI.

E-Commerce Web Application Development

Jan 2021 - July 2022

- Developed a comprehensive e-commerce web application catering to a diverse product range.
- Led the front-end development using Angular, designing a responsive and intuitive user interface that enhanced customer engagement and experience.
- Collaborated with the backend team to build robust RESTful APIs for efficient data handling and seamless integration with the frontend.
- Implemented Jenkins for continuous integration and continuous deployment (CI/CD), which streamlined the development process.
- Oversaw AWS deployment, including server setup, endpoint logic implementation, and ensuring high availability and scalability of backend services.
- Participated in Agile development processes, consistently meeting sprint goals and contributing to successful project delivery.

Technologies Used: Angular, Jenkins, Amazon S3, Jenkins, FAST API.

CERTIFICATIONS

- Azure AZ – 900 – **MICROSOFT**
- AWS Foundations - **AMAZON WEB SERVICES**
- Lean Six Sigma Green Belt– **CENTRAL MICHIGAN UNIVERSITY**

EDUCATION

Central Michigan University

May 2024 **GPA- 3.8**

Master of Science in Information Systems (Data Analytics)

Jawaharlal Nehru Technological University, India

August 2017-June 2021

Bachelor of Technology in Computer Science and Engineering