

# Jagadeep Avula

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## TECHNICAL SKILLS

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Programming Languages	Java, Python, JavaScript
Web Technologies	HTML, CSS, ReactJS, Figma, TypeScript, AngularJS, NodeJS
Testing tools	JUnit, Pytest, Selenium , Postman
CI/CD Tools	Git, JSON, Linux, UNIX, Agile Methodologies, Jira, Confluence
Cloud Services	Lambda, API Gateway, SQS, S3, EC2, RDS
Database	RDBMS (MySQL, Oracle), NoSQL (MongoDB, Firebase)
Development Tools	IntelliJ, Eclipse, Visual Studio Code, Maven
Identity and Access Management	OAuth, JWT, AWS IAM
Architectural Design Patterns	Microservices, Event-Driven Architecture, RESTful Service
Development Practices	Test-Driven Development, CI/CD, Unit Testing, Test Automation

## EXPERIENCE

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**Full Stack Developer** Jun 2024 - Present  
MakeitMVP *California, USA*

- Implemented AI-driven user matching using ChatGPT API for personalized accountability partnerships based on user profile
- Engineered a Python backend integrated with Firebase for secure data storage, supporting robust goal tracking
- Developed a Python backend and used Firebase for secure data storage, supporting goal tracking
- Integrated scalable AI features within the platform, improving performance and user satisfaction

**Full Stack Developer** Aug 2023 - Dec 2023  
Amerifab International Inc *North Carolina, USA*

- Led a transformative project with a five-member team to enhance production floor efficiency
- Oversaw the design and architecture of a scalable application integrating various AWS services
- Improved operation efficiency by 200% by automating data retrieval from MyWay with Python scripts, SQS triggers
- Optimized development workflow with GitHub Actions for rapid updates and Docker for streamlined containerization
- Boosted backend performance by 40% using Python, FAST API, and Postgres SQL for efficient code execution
- Enhanced UI responsiveness by 30% using HTML, CSS, JavaScript, and React, resulting in a more engaging user experience.
- Increased system reliability by 50% by leveraging AWS services, including Postgres SQL, Lambda functions, SQS, and EC2.

**IT Specialist - Data Integration and Automation** Jun 2022 - March 2023  
Oregon State University *Corvallis, USA*

- Led data cleansing initiatives using SQL queries to eliminate duplicate entries and ensure database integrity
- Developed Python scripts for automated duplicate data detection and removal, optimizing data quality
- Generated and dispatched weekly data retrieval reports, enabling the dev team to optimize code for efficient data storage
- Developed SQL queries to extract and organize time-in/time-out data of employees, facilitating strategic employee scheduling
- Enhanced data integrity and efficiency by developing a data cleansing strategy with SQL and Python, removing duplicates

**Software Developer** April 2020 - March 2021  
Skela Technologies *Chennai, India*

- Developed Java RESTful APIs and responsive web apps with HTML, CSS, and JavaScript, boosting performance by 40%
- Optimized SQL database schemas in PostgreSQL, resulting in 30% faster data access and retrieval.
- Integrated AWS services (S3 for storage, EC2 for hosting), enhancing system architecture and scalability by 50%
- Utilized a comprehensive Java stack: Maven for project management, JDBC for database connectivity, Servlets for HTTP requests, Hibernate for ORM, and Spring Boot for scalable enterprise application development
- Used Postman and JUnit for API testing, ensuring Java-based RESTful API functionality, performance with automated scripts

**Frontend Developer** Dec 2018 - Mar 2020  
Slarity *Chennai, India*

- Implemented a custom caching mechanism in JavaScript, reducing API response time by 30%, improving overall performance
- Enhanced front-end apps, reducing load times and improving conversions by 20% with ReactJS HTML CSS and Javascript
- Boosted profits by 15% using ReactJS and FramerMotion to improve website performance and design, boosting user engagement
- Created quality mockups and prototypes by using Figma to validate functionality, leading to a 14% rise in prototype approval
- Increased testing efficiency by 40% with Selenium automation, improving coverage and detecting issues faster
- Enhanced brand visibility and user engagement by 50% by logo design, branding, and media posts using Adobe Creative Tools

## PROJECTS AND CERTIFICATIONS

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**Portfolio** Designed and developed my portfolio using HTML, Tailwind CSS, JavaScript, and React framework, with animated elements powered by Framer Motion

**Audio to Text:Assembly AI** developed a project utilizing Assembly AI API for converting audio files into text seamlessly. Users can upload audio files, and the system provides accurate text transcripts, catering to needs like subtitles and accessibility.

**SurvivalKit.** User Interface (UI) Development for [Survival Kit](#) Contributed to designing the UI using Figma for an app assisting homeless individuals in accessing essential resources. Conducted agile testing by regularly presenting the product to users, gathering feedback, and iterating based on their input.

**AWS Certified Solutions Architect** Amazon Web Services, Feb 2024

## EDUCATION

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**Masters in Engineering Computer Science**, Oregon State University (Corvallis,Oregon)

**Bachelors of science Computer Science**, Rajalakshmi Engineering College (Chennai,India)