

ARUNIMA VENKATESAN

Full Stack Developer

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Berlin, Germany

SUMMARY

I'm a Full Stack Developer with over 7 years of experience creating scalable applications in JavaScript/TypeScript (React, Next.js, Node.js) and Python (Django, Flask), with a strong focus on practical, collaborative development like pair programming. I've worked on performance improvements, data pipelines, cloud solutions (AWS, Azure), and DevOps practices. My projects have optimized user engagement to 94% and increased project completion rates by 20%, delivering high-quality solutions across fintech, chatbot, and enterprise integrations. I'm driven by using new technologies to build impactful solutions that support business growth.

EXPERIENCE

Software Developer

Riverty GmbH

09/2022 - 06/2024 Berlin

- Built responsive, interactive frontend components using React and Next.js, applying TailwindCSS and React Styled Components for cohesive styling.
- Developed backend logic using a JavaScript-based decision engine, seamlessly integrating with external services like credit rating agencies and device tracking providers.
- Led the implementation of critical features, such as Address and Bank Account Validation, boosting reliability for both B2B and B2C services.
- Optimized customer data handling by designing efficient messaging queues and managing PostgreSQL and MongoDB databases for validation processes.
- Queried Hasura's GraphQL engine and API for secure, efficient database interaction, introducing enhanced security measures.
- Increased application performance for top-tier users through advanced caching strategies, reaching the 99th percentile.
- Created Grafana and New Relic dashboards to monitor production metrics, tracking response times, error counts, and acceptance/rejection rates.

Python Developer

Tata Consultancy Services

01/2022 - 08/2022 Mumbai, India

- Enhanced Chatbots (v3.0) on the Kore.ai platform, utilizing Python with Django and Flask, and working within PyCharm to build robust, scalable features.
- Resolved key integration issues with platforms such as Line, Elasticsearch, Amazon S3, and Facebook, ensuring consistent chatbot performance across diverse applications.
- Built a refined Content Management System (CMS) for multiple chatbots, simplifying Guided Menu content updates and reducing reliance on Operate/Platform teams.
- Optimized language models and retrieval methods, boosting information accuracy by 25% and driving user engagement from 86% to 94%.
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MuleSoft Developer

Tata Consultancy Services

03/2020 - 01/2022 Mumbai, India

- Developed and enhanced multiple ESB applications, handling both minor and major updates, and resolving bugs on the AnyPoint Platform runtime engine.
- Established API management standards for over 150 RESTful and SOAP services, managing TLS certificates to ensure secure connections.
- Introduced a Python-based automation process to streamline system monitoring and analysis, reducing manual efforts and improving response times.
- Built RESTful APIs in Node.js, using Sequelize ORM to perform efficient CRUD operations on a MySQL database.

Quality Assurance (QA) Engineer

Tata Consultancy Services

05/2017 - 03/2020 Mumbai, India

- Boosted project completion rate by 20% through refined project planning and timeline optimization in coordination with the On-site Manager.
- Led over 150 triage calls with clients and vendors, strengthening partner relationships and ensuring clear communication.
- Directed formal execution cycles, including rigorous system and database migration testing.
- Oversaw a team of testers for a high-impact project in the Pharma Co-Vigilance (Safety) domain, facilitating the accurate flow of medical data to the Argus Safety system.

FIND ME ONLINE

<https://www.linkedin.com/in/arunima-venkatesan/>

<https://github.com/v-arun/>

SKILLS

Programming Languages

JavaScript, TypeScript, Python, C#, Java, GraphQL

Tools/Technologies

Node.js, Next.js, React, Django, AWS, Azure, Git, CI/CD, TailwindCSS, Styled-Components, HTML5, CSS3, ORMs (e.g. Sequelize, Hibernate), Angular, Flutter, Kafka, KafkaMQ, RabbitMQ, Kubernetes, Docker, Terraform, Cypress, Jest, Grafana, NewRelic

Databases

PostgreSQL, MongoDB, Oracle, MS SQL Server, MySQL

PROJECTS

Fizz-Buzz-Bass Application

09/2024 - 09/2024 Berlin

Built an application that takes a number and provides a result based on the number's divisibility

- Features included: Field Validation, Form Validation, Light/Dark Mode
- Tech Stack: React Frontend with FastAPI Backend, TailwindCSS

Rick and Morty Character Cards

08/2024 - 08/2024 Berlin

Built an application that retrieves characters from the Rick and Morty API.

- Features included - Pagination, Search
- Technologies: HTML, CSS, JavaScript

CERTIFICATION

Microsoft Certified: Azure Fundamentals

Issued: November 2022

EDUCATION

Bachelor of Engineering in Information Technology

Rajiv Gandhi Institute of Technology

08/2012 - 06/2016 India

- Bachelor of Engineering in Information Technology
- University of Mumbai, India