

Ashutosh Agarwal

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Experience

MAQ Software

July 2021 – Present

Senior Software Engineer — React, JavaScript, TypeScript, Python, Flask, Microservices

Mumbai, India

- **Product Launch Accelerator:** Built a robust web application with **React, JavaScript, Tailwind CSS and C# .NET** for marketing team to streamline product launches, enabling efficiency of **20+ products**, saving teams up to **24-48 hours** weekly for improved campaign planning.
- Successfully coordinated a **9-member team** in the accelerated development of a critical report management web application using **TypeScript, Python**, delivering **6 milestones** within a two-month time frame to ensure client requirements.
- **AI-Powered chatbots:** Developed & Integrated **10 AI-powered chatbots** into the web applications using **React, JavaScript, Material UI, Flask, and advanced prompt engineering**, enabling them to provide insightful responses to complex user queries, leading to a **27% increase in user satisfaction**.
- **Transcript Generator:** Created a video transcript generator and summarizer using **HTML, CSS, JavaScript ES6 and Cognitive services**, enhancing video content accessibility and **reducing manual effort by more than 60%**.
- **HeadTrack system:** Independently developed automated headcount management system for finance team with **JavaScript, Python-Flask microservices, and SQL Server**, resulting in **increased productivity by 90%**.
- **Datacollection tool:** Designed a reporting collection feature for service team in the web application with **React, TypeScript and C# .NET** to centralize report management, **reducing efforts from hours to minutes** and enhancing collaboration and customer reach.
- Directed the development of scalable and high-performance web applications for top-tier clients such as **Microsoft, LinkedIn, and PepsiCo**, enhancing client satisfaction and project outcomes.

MAQ Software

Dec 2020 – June 2021

Associate Software Engineer — React, JavaScript

Remote

- Refactored legacy React components and implemented **ES Lint accessibility checks**, resulting in a **20% reduction in code complexity**.
- Successfully handled over **50 bugs**, resulting in a **40% improvement in overall user satisfaction**.
- Formulated and executed unit tests with **Jest and Enzyme** tools, **increasing test coverage by 30%**.

Technical Skills

Front-end: React JS, JavaScript (ES6), TypeScript, Material UI, Tailwind CSS, HTML, CSS3

Languages & Frameworks: Python, C#, .NET, Flask, PySpark

Version Control & Platforms: Git, GitHub, JIRA, GitLab, Azure DevOps

Database: SQL Server(T-SQL), Azure SQL DB, Firebase, MongoDB

Other: Redux, REST API, Jest & Enzyme, Azure Cloud, Agile Methodology

Projects

Analytics Toolkit (Web application) | React JS, JavaScript, Tailwind CSS, Python, Flask

Github

- Created a web-based 'Analytics Toolkit' to deliver data summaries and exploratory data analysis, including Univariate and Bivariate analysis, and clustering.
- Empowered users to easily identify patterns and trends in their data through intuitive visualizations, enabling quicker, data-driven decision-making across various datasets.

Education

Dhirubhai Ambani Institute of Information and Communication Technology

July 2019 - June 2021

MSc. : Information Technology

CGPA : 7.00

Veer Narmad South Gujarat University

July 2016 - April 2019

Bachelor of Computer Applications

CGPA : 8.75