

Shama Maganur

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Summary

Senior Software Engineer with over 7 years of experience specializing in backend development using Node.js, Express, TypeScript, and AWS. Proven expertise in designing scalable microservices, integrating third-party APIs, and implementing test automation for web and mobile applications. Strong background in cloud-based technologies and DevOps practices. Seeking to leverage extensive software development skills in a challenging backend engineering role.

Education

Montana State University

MS in Computer Science

- GPA 3.09
- Graduate Assistant(GA)
- Graduate Teaching Assistant(GTA) : Joy and Beauty of Data, Data Structures/Algorithms.

Bozeman, MT, USA

Jan 2023 - May 2025

KLE Institute of Technology, VTU University

Master of Computer Application (MCA)

Hubballi, India

May 2016 - Aug 2015

Technical Skills

Programming	JavaScript, Node.Js, TypeScript, Java, HTML/CSS, Python (Pandas, PyTorch, NumPy etc.), R
Backend Development	Node.js, Express.js, Microservices architecture, RESTful APIs
Database Management	MySQL, MSSQL, MangoDB.
Frameworks	ExpressJs, Serverless, FeathersJS, JavaScript Frameworks.
Cloud-Based Technologies	AWS, Docker.
Testing	Unit testing (Mocha, chai), Function Testing, Automation.
Miscellaneous	Linux, Shell (Bash/Zsh), LaTeX (Overleaf/R Markdown), Microsoft Office, Git,CI/CD

Work Experience

IQVIA Inc

Senior Developemt Engineer II

- Led backend development for healthcare applications, improving performance and maintainability.
- Developed RESTful APIs for web, Android, and iOS applications using Node.js and Express.js with a focus on efficiency and security.
- Collaborated across geographically distributed teams to streamline development and ensure best practices.
- Enhanced backend infrastructure using AWS services and improved automation testing for seamless delivery.

Bangalore, India

Oct 2021 - Nov 2022

Impelsys Inc

Senior Software Engineer

- Took ownership of a module, integrating third-party APIs such as the Truelayer API for banking transactions, enhancing API communication and reliability.
- Developed algorithms for calculating monthly user spending, optimizing financial data processing.
- Worked with a team to implement automatic credit report fetching using Truelayer/Equifax APIs, calculating monthly interest overpayment and initiating auto debit transactions using bottom line services with error handling and testing through Sequelize and FeathersJs.
- Handled SSO authentication and ensured secure user access.
- Executed automated integration test flows and wrote over 600 automated test cases using Mocha and Nock for reliable testing.
- Utilized MySQL as part of the data management stack with Sequelize for ORM
- Developed 600+ automated test cases using Mocha-chai and Nock for API mocking.

Bangalore, India

Jan 2021 - Oct 2021

Accenture Inc*Bangalore, India***Senior Software Engineer***June 2016 - Jan 2021*

- Developed and maintained backend services using SQL ORM frameworks for CRUD operations and REST API integrations.
- Developed REST API calls for data retrieval and updates.
- Implemented Lambda functions for automated report generation and processing, Validation, Crypto modules, and SSO authentication.
- Utilized AWS services such as Lambda, S3 bucket, CloudWatch events, and CloudFormation.
- Worked with Git for version control and Jenkins for deployment.
- Implemented CRUD operations using SQL ORM framework.
- Designed and executed automated regression testing, improving software reliability and reducing manual testing efforts.

References

Available upon request