

# VEDASHRUTHA D S

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## OBJECTIVE

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Software Engineer with 2 years of experience in backend heavy full-stack development, scalable system design. Looking for full-time roles that leverage my experience and skills in building scalable solutions.

## EDUCATION

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**Bachelor of Engineering**, BMS Institute Of Technology & Management

2019 - 2023

Relevant Coursework: Computer Science and Engineering

## SKILLS

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<b>Programming Languages</b>	Go, Java, Python, Shell Scripting, Javascript, Typescript, C
<b>Web Technologies</b>	MERN stack (MongoDB, React.js, Node.js)
<b>Database</b>	SQL, MongoDB, Elasticsearch, Neo4j
<b>Cloud &amp; CI/CD</b>	Amazon Web Services (AWS), Docker
<b>Tools and Frameworks</b>	Git, Jmeter, Postman
<b>Software Development</b>	Agile methodologies, Test-Driven Development

## EXPERIENCE

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**Associate Software Engineer**

Mar 2023 - Present

SignDesk

*Bengaluru, IN*

- Architected and Pioneered an Extract Transform Load (ETL) pipeline to migrate 10 million+ S3 objects in a live environment using Go routines and Redis with zero downtime
- Integrated Elasticsearch for global search, reducing load on MongoDB, improving search request performance by 70%
- Engineered fail-over mechanism to seamlessly redirect search traffic to MongoDB, ensuring 99.9% uptime during elasticsearch outages
- Proposed and implemented an on-demand fetch solution, reducing server load by 80% while enhancing user experience through optimized data retrieval
- Integrated AWS SES for domain impersonation using Golang, setting up DKIM, DMARC keys to enhance email authentication and deliverability
- Designed and implemented asynchronous callback services with a 99.99% success rate making the system more reliable
- Wrote shell scripts to automate package and repository update tasks, leading to increased productivity and reduced manual effort by saving 85% of the time
- Authored Dockerfiles for automated scaling in cloud deployments and for on-premise deployments

## PROJECTS

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**ToolChain** Developed a Golang-based utility providing Base64 conversion, JWT token generation-verification, AES/DES encryption-decryption and key generation. This service eliminates the dependency on ads-heavy external tools and prevents client crashes for large payloads by exposing efficient API endpoints. ([Github](#))

**Netflix Clone** Developed a Netflix Clone web application featuring user authentication, a custom video player, user profiles, watchlist & history, and category-based content organization, delivering an immersive streaming experience. ([Github](#))