Shrihari Maheshwari

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EDUCATION

Virginia Tech Falls Church, VA
Master of Engineering in Computer Science *August 2023 – May 2025*

KJ Somaiya College Of Engineering Mumbai, India
Bachelor of Technology in Electronics Engineering *July 2016 – October 2020*

EXPERIENCE

Wolters Kluwer Pune, India
Cloud Engineer *October 2021 - May 2023*

- **Cloud Monitoring**: Increased the runtime of services by 20 percent by optimizing resource utilization and enabling automated scaling with monitoring using CloudWatch and CloudTrail.
- **Disaster Recovery**: Redesigned the DR project by utilizing serverless functions and API integration with geo-located resources, which cloned more than 5000 workspaces in the secondary region from the immediate area.
- **Cost Optimizer**: Reduced overall infrastructure costs by 20 percent by using AWS Config rules and resource tagging, which involved resource optimization, cost evaluation, and planning.
- **Data Warehousing**: Orchestrated the setup, revamped schema, and managed Amazon Athena for seamless data warehousing; constructed custom functions to enhance data accessibility, resulting in 40 percent faster query response time and improved data-driven decision making.
- **Infrastructure as Code**: Implemented Infrastructure as Code using AWS CloudFormation to define and provision the infrastructure for serverless architectures, ensuring consistency and reusability in deployment processes. Reduced deployment time by 40 percent and increased scalability by 50 percent.

Wolters Kluwer Pune, India
Cloud Associate Engineer *October 2020 - October 2021*

- **DaaS Management**: Ensured the smooth operation of over 5000 DaaS (Desktop as a Service) solutions for clients worldwide by troubleshooting any issues that arose, ensuring uninterrupted service delivery.
- **Cross Functional Management**: Streamlined cross-functional efforts to deliver a robust virtual desktop infrastructure, safeguarding business continuity and reducing downtime by 25 percent while maximizing productivity across teams.
- **Supervision and reporting**: Consolidated project updates into visually impactful reports, highlighting key milestones, risks, and mitigation strategies to senior stakeholders; facilitated informed decision-making and achieved 100 percent on-time project delivery.

PROJECTS

- **Article Summarizer**: Developed an open-sourced summarizer project using RapidApi, React, and Redux for state management; revolutionized article comprehension by transforming lengthy content into concise and clear summaries, enhancing accessibility for readers worldwide.
- **Image Generation**: Created an innovative generative AI system utilizing OpenAI API, React framework, and MongoDB database to generate images based on text prompts, revolutionizing visual content creation.
- **ChatBot**: Designed an iOS and Android chatbot using React-Native framework, leveraging custom data; decreased customer support response time by 50 percent and improved user satisfaction ratings by 25 percent.
- **SearchVid - Video searchability tool**: Prepared SearchVid, a revolutionary video searchable tool leveraging NLP techniques for word embedding, fuzzy matching, and semantic matching, enabling users to locate specific timestamps with precision and ease.

PROGRAMMING SKILLS

- **Languages**: JavaScript, Typescript, Python, C++, Java, SQL, Shell scripting.
- **Frameworks**: AWS, Docker, GIT, Terraform, Linux, RapidAPI, ReactJS, NextJS, Express, Styled Components.

CERTIFICATIONS

- **AWS Certified DevOps Professional**: March 2022 - March 2025
- **AWS Certified Developer Associate**: January 2022 - January 2025
- **AWS Certified Solution Architect Associate**: August 2021 - August 2024
- **AWS Certified Cloud Practitioner**: March 2021 - March 2024