MIHIR SHETH

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EDUCATION

Northeastern University   **Boston, MA**
Master of Science in Information Systems   *Sep 2022 - May 2024*

University Of Mumbai   **Mumbai, India**
Bachelor's of Technology in Electronics and Telecommunications   *Aug 2018 - May 2021*

TECHNICAL SKILLS

Programming Languages:	JavaScript, TypeScript, Python, Java, Go, C++, C#, Linux
Frameworks & Libraries:	HTML, CSS, React, Angular, Vue, Bootstrap, Node.js, Express.js
Cloud Platforms:	AWS (EC2, Lambda, IAM), Azure, Google Cloud Platform
CI/CD Tools::	Jenkins, GitHub Actions, GitLab CI
Containers:	Docker, Kubernetes, Amazon ECS
Infrastructure as Code:	Terraform, Ansible, Pulumi
Databases:	PostgreSQL, MySQL, MongoDB(NoSQL), Redis, Kafka

WORK EXPERIENCE

Software Engineer   **Jan 2024 — Aug 2024**
DREAM Venture Labs   *Boston, MA*
- Led a cross-functional team in developing a secure full-stack application using Node.js and React; leveraged leadership and collaboration skills to integrate machine learning models, implementing JWT and RBAC, reducing unauthorized access by 70%.
- Engineered a Python-based ML model achieving high accuracy and sub-500ms latency using TensorFlow and XGBoost; applied analytical and problem-solving skills to optimize real-time inference with MongoDB and Redis, supporting 10,000+ concurrent users.
- Architected a scalable AWS infrastructure with Terraform; utilized strategic planning and project management skills to incorporate auto-scaling and load balancing, boosting system reliability by 35% and ensuring seamless disaster recovery.
- Integrated Amazon SQS for asynchronous processing, enhancing backend throughput by 45% and reducing response times by 50%.
- Optimized CI/CD with GitHub Actions, Docker, and Selenium, reducing deployment times by 70% and enhancing Agile workflows.

Software Engineer   **Jun 2021 — Jul 2022**
Alliant Infotech   *Remote*
- Developed a modular Node.js app with Azure services, automating workflows with SDKs and PowerShell, boosting efficiency by 40%.
- Created an event-driven system with Azure Event Grid, reducing API errors by 30% with custom rate limiting and 99% test coverage.
- Built a data validation tool with Azure Data Lake, improving data quality by 50% and driving 20% revenue growth through analytics.
- Led a 30TB data migration to Azure, resolving critical issues and achieving 99.9% uptime to ensure seamless business operations.

Software Engineer Intern   **Jun 2020 — Aug 2020**
Clear Point   *Mumbai, India*
- Contributed to a logistics platform using Java Spring and Angular, boosting performance by 35% and user satisfaction by 25%.
- Efficiently automated deployments with Ansible and Docker, cutting manual tasks by 30% and speeding up development by 25%.
- Implemented gRPC for streamlined microservices communication, significantly improving scalability and reducing latency by 30%.
- Developed robust automated testing frameworks with JUnit and Cypress, reducing bugs by 40% and enhancing overall code quality.

ENGINEERING PROJECTS

AssignHub System(Node.js, AWS, GCP, JUnit, Pulumi, Terraform, Serverless, Git, Jest)
- Strengthened risk mitigation efforts by developing a secure application and performing unit testing within DevOps workflow, culminating in a 50% reduction in security vulnerabilities and improved application integrity.
- Developed reliable and available solutions, successfully achieving 99.9% uptime due to IAM, EC2 Auto Scaling, and VPC integration with application load balancers and cloud deployment automation on AWS and GCP using Terraform and Packer.
- Gained hands-on experience developing CI/CD pipelines using GitHub Actions, leading to a 70% increase in system reliability.
- Streamlined file handling and notification processes via AWS Lambda, resulting in 30% increase in efficiency.

Integrated Financial Ecosystem(Next.js, Express, PostgreSQL, Prisma, Tailwind, Docker, GitHub Actions, AWS)
- Strategized and managed feature implementation inclusive of real-time P2P transfers and financial transactions, maintaining a strong focus on innovative processes and procedures which improved transaction speed by 40%.
- Facilitated on-time project delivery by leveraging GitHub Actions for CI/CD pipeline development and automating Docker deployments to AWS; reduced deployment times by 50% and rollbacks by 30%.
- Improved the value and functionality of the solutions by reducing latency by 25% during peak loads; utilized Memcache for data retrieval and caching management, ensuring the ongoing functionality and performance of the solution.

Financial Trading Platform (TypeScript/Node.js, React, PostgreSQL, Docker, Kubernetes, AWS, GitHub Actions)
- Championed the development and launch of a high-performing, real-time trading platform with the ability to process 10K+ transactions per second; utilized NodeJs for backend development and React for frontend development.
- Minimized data quality risks by heading the development and integration of advanced locking mechanisms in SQL Server.