

PREYASH AMAR MEHTA

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PROFESSIONAL EXPERIENCE

Formless Inc, Boston, USA

June 2024 - October 2024

Software Engineering Intern

- Architected and deployed a high-performance decentralized application (**dApp**) with **React** and **TailwindCSS**, leveraging **RPC** calls and **Web3.js** for seamless real-time data synchronization, leading to a **30%** reduction in data retrieval latency
- Built and enhanced RESTful APIs with **Node.js** and **TypeScript**, boosting backend performance by **25%**, and employed scalable solutions on Google Cloud Platform (**GCP**) utilizing **Cloud Run** and **Pub/Sub** for automated workflows
- Crafted a seamless experience through innovative features like interactive pagination and efficient data retrieval mechanisms using React hooks, enhancing user engagement metrics by processing over 10k interactions per day without lag
- Devised and validated complex AG Grid data grids with React, cutting user input errors and boosting data accuracy by **35%**

Atos, Pune, IN

Associate Consultant - GCM 2

March 2023 - June 2023

- Designed and implemented **RESTful** APIs with Node.js and TypeScript to streamline data processing workflows, reducing API response time by **20%**
- Spearheaded the migration of backend services to AWS Lambda and **S3**, enabling serverless architecture and reducing infrastructure costs by **30%**
- Defined API routes using AWS API Gateway, ensuring seamless integration with **DynamoDB** for high-performance

Associate Consultant - GCM 1

March 2021 - March 2023

- Developed backend services utilizing **Node.js** and **Express.js**, implementing scalable solutions for API endpoints and handling high traffic volumes with a **98%** uptime SLA
- Built and maintained **CI/CD** pipelines to deploy serverless applications on **AWS** using AWS CDK, reducing manual intervention by **40%**
- Worked with NoSQL databases such as **DynamoDB** to design robust schemas and optimize data retrieval processes, cutting query execution times by **30%**
- Designed and managed multiple **microservices** architectures on **AWS**, focusing on high availability, horizontal scalability, and low-latency operations

ACADEMIC PROJECTS

Cloud Native User Onboarding Web App

November 2024

- Evaluated Terraform (IaC) to create VPC stack, underlying network, **S3**, **RDS** & **SNS** subscribed to lambda function for Simple Email Service (SES) to send user verification email on Sign up for seamless onboarding experience
- Implemented a GitHub Actions **CI/CD** pipeline to trigger testing & build a custom **AMI** through Packer deployed on **AWS EC2** instance, reflected on VPC by provisioning Instance Refresh as part of the Auto Scaling Group (**ASG**)
- Monitored VPC stack using **CloudWatch** alarms to take automated actions to minimize mean time to resolution (**MTTR**)

Event-Management Application | [Demo](#)

December 2023

- Developed a **MERN** Event Management Web App for students, using **TailwindCSS** for UI styling
- Engineered Husky Events' **React** front-end with React Router and **Axios**, enhancing user experience
- Employed useContext hook & **JWT** for authentication, designed REST API with Express, security with bcrypt and **CORS**

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, VB.NET, Python, Spring Boot, C#

Web Development: React, Node.js, Express, Redux, Bootstrap, Angular, TailwindCSS, Material UI

Software and Build Tools: AWS (Lambda, S3, EC2, VPC, DynamoDB), Azure DevOps, GCP, Git, Terraform, Packer, Docker

Data Analytical Tools : MySQL, MongoDB, Microsoft SQL Server, PostgreSQL, Tableau, PowerBI

EDUCATION

Northeastern University, Boston, Massachusetts, United States

May 2025

Master of Science in Computer Software Engineering

GPA: 3.81

Related Courses: Object-Oriented Design, Web Development, Cloud Computing, Data Structures & Algorithm, Design Patterns

University of Pune, Pune, Maharashtra, India

May 2020

Bachelor of Science in Computer Engineering

GPA: 3.70

Related Courses: Machine Learning, System Design & Networking, Database Management, Computer Science, Information Systems