# Ayush Mehta

Sacramento, CA

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## Work Experience

**Celebal Technologies Pvt Ltd** | *Backend Developer*                                    **Nov 2021 - Aug 2023**
- Developed scalable backend services using Node.js and JavaScript, reducing load times by 40% for apps handling 1M+ daily requests.
- Built and documented RESTful APIs for 10+ client applications, cutting integration time by 30% with tools like Swagger and Postman.
- Deployed Azure infrastructure using ARM and Terraform, reducing cloud deployment costs by 25%.
- Led end-to-end testing and debugging, cutting failure rates by 50% and improving uptime to 99.8%.
- Trained and led a team of six developers, boosting productivity by 35% and reducing project delivery time by 15%.
- Implemented Agile and DevOps strategies, improving project delivery speed by 40%.

**Infosys Ltd** | *Systems Engineer*                                    **Nov 2020 - Oct 2021**
- Developed backend services and RESTful APIs using Node.js, JavaScript, and SQL, optimizing 500K+ daily transactions.
- Automated ONT configuration, reducing manual tasks by 40% and saving 20 hours weekly.
- Documented APIs with Swagger, reducing integration time for clients by 30%.
- Boosted ONT fabrication efficiency by 30% through automated regression testing.
- Specialized in backend and API development during Infosys' training, contributing to successful client projects.
- Diligently conducted bug testing, reporting, and troubleshooting activities to ensure the delivery of high-quality solutions to clients.

## Education

**California State University, Sacramento, CA**                                    **Aug 2023 - May 2025**
*Master of Science, Computer Science* (GPA: 3.88)                                    *Sacramento, CA*
- **Coursework:** Database Management, Machine Learning, Artificial Intelligence, Network Security, Principles of Programming

**Rajasthan Technical University, India**                                    **Aug 2016 - Nov 2020**
*Bachelor of Technology, Information Technology* (GPA: 3.2)                                    *India*

## Technical Skills

- **Programming Languages**: JavaScript, Java, SQL, Python, C#
- **Web Technologies & Frameworks**: Node.js, Express.js, HTML, React
- **Databases**: MySQL, SQL Server, Mongo DB, KQL, Pos
- **Cloud Services**: Azure Cloud (AD, Functions, Logic Apps, APIM, and iPaaS), Amazon Web Services (IAM, S3, Lambda, SNS, Cloud Formation, API Gateway), GCP (Cloud Functions, App Engine, Cloud Storage)
- **Software Tools**: DevOps, CI/CD, Git version control, Postman, Swagger, Sequelize ORM, Microsoft Visual Studio Code
- **Other Technical skills**: ARM, Microservices, IaaS, REST API, SOAP, Cloud Networking, OAuth, Linux, PowerShell

## Career Projects

**OpenAI powered Meeting Scheduler**
- Meeting Scheduler power with OpenAI capabilities for scheduling meetings on Google meet.
- Developed a chatbot with OpenAI capabilities leveraging the LLM APIs using Python and its libraries.
- Leveraged google APIs to create functions for fetching and scheduling meeting & for checking the availability to ensure no conflicts.

**Cloud Automation Tool**
- SaaS product for automation of Azure cloud services to smoothen and optimize the management and of Azure resources.
- Worked on complete code development, environment setup, and integration for the in-house product.
- Developed REST APIs in Node.js and documented them for features like infrastructure deployment using Terraform scripts.
- Researched & developed new features for the product like the cost management dashboard having the cost utilization data.

**Azure Cloud Migration** | *For a significant Airline Company*
- Migration of Legacy Software system to Azure Cloud services narrowed the API response time to approx. 60%.
- Worked as an Azure Integration SME to facilitate migrating legacy applications to PaaS.
- Facilitated migration of monolithic applications to microservices by hosting to Azure Kubernetes clusters.
- Worked to integrate PaaS services and set up complete network flow to increase security by around 50%.

**Service Qualification Dashboard**
- Network Service Availability dashboard to check the feasibility and availability of services in the area.
- Developed back end using Node.js, integrated REST APIs with the front-end services, and performed testing.
- Led collaborative efforts with stakeholders to architect a comprehensive database from inception, for facilitating API development.

## Certifications

- **Azure Fundamentals**: Microsoft Certified: Azure Fundamentals AZ-900 (993483298)
- **Azure Developer Associate**: Azure Developer Associate AZ-204 (C4019D-B15862)