

Sham Melbin S

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Education

- B.E. Computer Science and Engineering** - Panimalar Engineering College, Chennai (2023)
- Class XII** - St. Joseph's Matriculation Higher Secondary School (2019)
- Class X** – St. Joseph's Matriculation Higher Secondary School (2017)

Work Experience

AVASOFT – Software Engineer

JAN 2023 – MAR 2025:

- Implemented JWT-based authentication in the fronted, securing **100%** of sensitive routes and optimizing session management through advanced token strategies—resulting in an **80%** improvement in application security and enhanced user experience.
- Optimized the migration process by implementing Power Shell-based solutions when Graph and Google APIs caused performance bottlenecks—resulting in faster, more reliable data transfers and improved overall migration efficiency.
- Led a successful SharePoint migration project for **500+** sites, delivering an enhanced platform with expanded features, seamless data transfer, and comprehensive end-to-end testing—resulting in **70%** faster system performance and a **60%** reduction in post-migration issues.
- Accelerated development by **60%** through the strategic use of AI tools, delivering key project milestones ahead of schedule and ensuring seamless alignment with business objectives and project timelines.

Professional Projects

- **Vendor Management** -Developed a scalable web application using Typescript (front-end) and Node.js (back-end), implementing RESTful APIs to streamline client-server communication, improving vendor data handling efficiency and reducing manual overhead.
- **G Chat Migration** -Led the migration of **10,000+** messages and videos from G Chat to Microsoft Teams by integrating Google APIs and Microsoft Graph API, ensuring high data integrity and a seamless cross-platform transition with zero data loss.
- **M365 Outlook Migration**- Reduced bug re-occurrence by **70%** through comprehensive troubleshooting, impact analysis of code changes, regression testing, and targeted refactoring—enhancing system reliability and supporting a successful Outlook migration.
- **M365 SharePoint Migration** -Led the end-to-end migration of over **150 SharePoint pages, 80+ lists/libraries**, and **50 GB** of content, including documents, metadata, and user permissions. Integrated Microsoft Graph and REST APIs to ensure accurate data mapping, secure access control, and seamless functionality post-migration—resulting in improved user experience and minimal downtime.

Technical Skills

- **Web Development:** HTML, CSS, JS, React JS, Node JS
- **Databases:** Microsoft SQL Server
- **APIs:** Graph API, SharePoint Rest API
- **Version Control:** Git
- **M365 Suite:** SharePoint, power shell, Outlook, MS Teams

Additional Experience

- **Unacademy:** Completed the Campus Ambassador Program at Unacademy, promoting online certification and skill development during the pandemic while enhancing networking and community engagement skills.
- **Entrepreneurship Development Program** – Participated in Entrepreneurship Awareness Camp by Govt. of India & EDII, gaining foundational knowledge in innovation and startup strategy.
- **Certification:** Currently pursuing a Python certification at Pumo Technologies to upskill myself in programming and software development