SACHIN BASAVARAJA

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Education

University of Maryland	**August. 2024 – May 2026**
Master of Engineering in Software Engineering	*College Park, Maryland*
Siddaganga Institute of Technology	**August. 2017 – May 2021**
Bachelor of Engineering in Computer Science	*Tumkur, India*

Experience

Abroad | *Founding Engineering Intern*   **June 2025 – Present**

Tech Stack: Next.js, Tailwind CSS, Supabase, ElysiaJS, React Native, React.js, Node.js .   *California, USA*

- Designed and implemented a custom **Content Management System (CMS)** using **Next.js**, **Tailwind CSS**, and **Supabase**, reducing manual content updates by 80% and enabling real-time publishing by non-technical Admins.
- Implemented and deployed high-performance and scalable backend APIs using **ElysiaJS** on the **Bun runtime**, integrated with **Supabase**, powering seamless communication across CMS, user, and reporting modules for web and mobile apps.
- Architected and delivered responsive, accessible UI/UX for the Abroad app using **Next.js** and **Tailwind CSS**, resulting in a **35%** increase in engagement and improved usability for students across iOS, Android, and web platforms.

Alshaya Group | *Senior Software Engineer*   **October 2021 – August 2024**

Tech Stack: Java, Spring Boot, MySQL, PL/SQL, Git, Rest API, JDBC   *Bengaluru, India*

- Led the migration of legacy POS systems to a scalable, service-oriented architecture using **Java**, **Spring Boot**, **MySQL**, and **microservices**, increasing system uptime by 30% and reducing critical failures through modular service isolation.
- Spearheaded the rollout of a touchscreen POS system across **500+ stores** in Middle Eastern countries using **Java**, **Spring Boot**, **MySQL**, and **REST APIs**, achieving **95% staff adoption**, **reducing transaction errors by 40%**.
- Designed and delivered B2B transaction capabilities and **built an in-house Java-based promotion engine** supporting 25+ promotion types, deployed across 30+ brand POS systems, resulting in a 25% increase in customer engagement.
- Orchestrated secure card payment integration across **5 countries** by collaborating with banks and leveraging **Java**, **Spring Boot**, and **Azure Functions**, enabling real-time processing and **reducing transaction failures by 45%.**
- Architected a centralized refund system for POS transactions and automated **CI/CD pipelines** using **Jenkins** and **GitHub Actions**, accelerating deployments and ensuring consistency across environments.

Quotient Technology | *Software Intern*   **February 2021 – October 2021**

Tech Stack: Java, Selenium, Maven, Jenkins, Git, Postman, Swagger, JMeter   *Bengaluru, India*

- Architected and implemented a scalable **Selenium automation framework** using **Java**, **TestNG**, and **Maven**, reducing critical production defects by **60%** and improving test reliability on the *Coupons.com* platform.
- Integrated test suites into **Jenkins CI/CD pipelines** for **automated daily execution** and **faster feedback**. Partnered with **QA** and **DevOps** using **JIRA**, boosting **site performance** by **15%** and speeding up **deployments**.

Technical Skills

Programming Languages:: **Java**, **Python**, C, C++, **JavaScript**, HTML, CSS, PHP, **TypeScript**.
Databases and Tools: MySQL, NoSQL, PostgreSQL, PLSQL, Oracle DBMS, Supabase, VS Code, Eclipse, AWS Platform
Technologies/Frameworks: Spring, Spring Boot, React, Angular, Django, GIT, AWS, Azure, Linux, Jenkins, GitHub, JUnit, NextJs, ElysiaJs, NodeJs

Projects

DigiSchool E-Learning Management System (LMS) | *Java, Spring Boot, MySQL, React, JavaScript*   **December 2024**

- Led a team of 5 to engineer **DigiSchool**, a scalable **Learning Management System (LMS)** built with **Java**, **Spring Boot**, **React.js**, **MySQL**, and **AWS**, streamlining course operations and reducing management time by **30%** through **automated assessments**, **real-time discussion forums**, and **multi-format content delivery**.

Public Distribution System Using Blockchain | *HTML/CSS, React, Python, Node. JS, Metamask*   **May 2022**

- Developed a **decentralized application (dApp)** using **Solidity**, **Ethereum**, **Web3.js**, and **Node.js** to replace opaque government workflows with a **transparent, immutable ledger** tracking inventory across **24 warehouses**, enabling secure authentication and handling **1,000+ daily transactions**.

Certifications

- **Earned AWS Certified Solutions Architect – Associate (SAA-C03)**.
- Attained professional certification in **C, C++, Python, Computer Networks from Cisco NetAcad** Academy.
- Certified in **MEAN STACK** (Web Development) from Vicasin.