

Saurabh Mahajan

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Pune, India

PROFILE

Fast-paced Fullstack Software Engineer, leading transformative initiatives in advanced technological solutions. Recognised for adeptly architecting high-performance applications, collaborating across teams to deliver cutting-edge and secure outcomes. As a dedicated advocate for technological progress, actively cultivating connections with industry peers, fostering a collaborative spirit to propel the boundaries of innovation and excellence.

WORK EXPERIENCE

Software Engineer, NetSPI, India

July 23 – Present

- Led the successful implementation of Multi-Factor Authentication (MFA) in Spring Framework with Java, enhancing user security via phone number and Microsoft Authenticator app, which resulted in a 30% reduction in unauthorised intrusion attempts.
- Initiated an innovative login flow in React with Typescript supporting features like MFA, password expiration, and prevention of reuse.
- Mentored and empowered new team members through comprehensive training in product, code, and technology practices for swift integration and impactful contributions to product advancement.
- Demonstrated adaptability through a swift transition to a new project, with a driven mindset and delivering valuable contributions that accelerated the timeline by 15%.

Associate Fullstack Engineer, NetSPI, India

May 22 – June 23

- Collaborated the transition of BAS (Breach and Attack Simulation) from a company-centric to an operation-centric application, fostering seamless collaboration with team members to optimise dashboards and APIs, resulting in a 25% improvement in detecting and mitigating potential security threats.
- Cultivated a collaborative culture while working on features like MITRE Tag import with Structured Threat Information Expression models in C#, ensuring collective exploration of the best solutions, increasing team efficiency and problem-solving speed by 15%.
- Managed the product reporting feature using a pdf generation library in React, with a unique JavaScript and Web workers solution, which reduced report generation time by 60%, showcasing both efficiency and creative problem-solving.
- Analysed and implemented advanced filtering functionality for TTP Coverages with .NET Core, resulting in a 40% improvement in data analysis speed and accuracy, optimising the platform for large-scale data processing.

PROJECTS

Opus – A Corporate Management System

- GitHub link: <https://github.com/saurabhthecodewizard/opus-server> & <https://github.com/saurabhthecodewizard/opus-client>
- Technologies – Java, Spring, Typescript, React, Redux, Material UI, MySQL, OpenAPI, SMTP
- Spearheaded the implementation of Intelligent Access Management through Role-Based Access Control (RBAC) System ensuring that every user operation aligns seamlessly with assigned roles.
- Automated the API and DTO generation leveraging the power of OpenAPI, facilitated by a simple bash script, guaranteeing consistency and efficiency in communication between the frontend and backend components with minimal manual intervention.
- Engineered a secure SMTP server with Gmail integration to enable a smooth and secure user registration process to enhance security and ensuring a hassle-free user onboarding.

Emerald Oasis – A Multi-Cuisine Restaurant Management System

- GitHub Link: <https://github.com/saurabhthecodewizard/Emerald-Oasis>
- Technologies – Java, Spring, MySQL, React, JavaScript, Bootstrap.
- Seamlessly integrated roles such as Admin, Delivery Person and Customer.
- Admin can manage cuisines, dishes, and users. Delivery person can accept the order and update the status of the order. Customer can order dishes managed by an effective food cart platform.
- Provided extensive features like tracking order history and profile operations.

EDUCATION

PG Diploma in Advance Computing (84.63%), Sunbeam Pune, India 2021 - 2022

- Key modules: OOP, Core Java, Advance Java, OS, DSA, Web Programming, RDBMS - MySQL, Software Development Methodologies, C#, .NET

Bachelor of Engineering (7.59/10), Pune University, India 2017 - 2020

- Key modules: AutoCAD, Autodesk Inventor, Employment Skills Development, C Programming

SKILLS

OOPs, Java, Spring Framework, JavaScript, Typescript, React, HTML, CSS, C#, .NET, Data Structures, Git, GitHub, MySQL, PostgreSQL.

COMPETENCIES

- **Certifications:** Personal Effectiveness Program, Pre-CAT - Computer Science Fundamentals by Sunbeam
- **Languages:** English (Fluent), Hindi (Native), Marathi (Native).

ACHIEVEMENTS & INTERESTS

- **Awards:** CCAT 2021 All India Rank 1, First Prize in National Level Paper Presentation
- **Volunteering:** Publicity volunteer to get active talents from diverse institutes in tech fest. Department head managing and overseeing all the events and operations conducted throughout the department. A Sponsorship Coordinator skilled in strategic planning and sponsor acquisition, demonstrating excellence in negotiation, budgeting, and enhancing the success of events.
- **Interests:** Football (College team captain), Gaming, Travelling, Reading