SANAT SANTRA
☎: +1 (716)520-7388   ✉: sanat.santra1308@gmail.com   🔗: LinkedIn

With 7+ years of experience as a full-stack .NET developer, I excel in end-to-end web application development. Skilled in both front-end and back-end design. I collaborate effectively to identify requirements, develop efficient code, maintain security, and deploy user-centric solutions. Expert in troubleshooting, debugging, and ensuring seamless production deployment. Certification in **Safe4 scaled agile** practitioner, **PSM I, PSPO I, AZ-900**. Master in managing a complete Software development lifecycle with a keen focus on customer needs and satisfaction.

EDUCATION

- Masters' in management information systems. **THE STATE UNIVERSITY OF NEW YORK AT UNIVERSITY AT BUFFALO**   June 2023
- Bachelors' in electrical and Electronics Engineering. **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**   May 2016

WORK EXPERIENCE

Senior Software Engineer, Virtusa Services-Pvt Ltd.   Jan. 2022-Jul. 2022

- Developed an integrated self-service web application payment system, with the latest technologies such as **.NET Core 3.1, ReactJS, SQL, Web API 2, JWT Token, Swagger, and Postman, azure function, azure triggers**. By utilizing Azure as a SaaS platform. The system's enhancements have led to a significant increase in operational efficiency, resulting in a **7%** improvement in the user experience for administrators and employers.
- prompt knowledge transition for new staff members with a hands-on training method, practicing tasks and processes in a simulated or controlled environment (Dev environment). This approach allows them to gain practical skills and familiarity with the system, retention reducing training time, and ultimately contributing to increased team productivity by **10%**.
- Led a **Scrum team** of seven, ensuring efficient sprint execution by managing the sprint backlog and ensuring adherence to 'The Definition of Done.' Worked closely with the Scrum Master through diligent tracking of Jira boards from the sprint backlog, delivering high-quality outputs. Achieved timely project completion, reducing time-to-market by **4%** and enabling faster ROI.
- Offered technical expertise to address challenges faced by team members. Proactive communication with clients during sprint planning and sprint reviews, closely working with the manager to remove the impediments discussed in sprint retrospectives which helped effectively to manage the scrum team leads to achieve every sprint goal.
- Additionally, promptly resolving production issues during client transitions to the new interface by giving continuous support, and mitigating potential business disruptions, which enhanced the overall customer experience by **6%**.

Lead Software Engineer, Fidelity Information Services - Pvt Ltd.   Jun.2017-Jan.2022

- Worked on more than 5 FinTech products (e.g. **BalanceTransfer, eReports, eZdisclosure, QAS, CardActivation, LoginGateway**) for NAC (**North American Clients).**
- Worked on eReports to improve report generation time by setting up a new server for **Latin American clients** from scratch by setting up the **IIS, hosting the new binaries, web server, windows services, server configuration, and DB configuration**, leading to a **10%** increase in report generation speed for that specific client. Keep track of the PDF license on production servers and update it with the latest one yearly basis to ensure uninterrupted bill generation for clients.
- Implemented multifactor authentication **(MFA)** using the RSA approach for two applications to ensure user and client security, resulting in a reduction in the number of security breaches from 200 to 30 in 14 months of time using **vb.net, asp.net, asp.net MVC, RESTFul API, RSA**.
- Developed account number masking and session management features using **C# 6, MVC 4, .Net 4.6, AngularJS, HTML, CSS, JavaScript, jQuery, and MS SQL**, leading to improved user experience and security in BalanceTransfer. Prioritizing data privacy strengthened client relationships, fostering loyalty, and potentially expanding the customer base for increased revenue.
- Upgraded the legacy report-generating application **QAS** by migrating the VB code to the latest technologies, such as **ASP.NET Core 3.1**, **Web API 2, and ReactJS**. This resulted in enhanced user interaction, improved file handling capabilities, and efficient session management, significantly improving maneuverability and user mapping journey.
- Managed products in the production environment by creating case management tickets and presenting necessary documents and scripts with proper back-out plans, leading to a **90%** success rate in handling production issues.
- Collaborated with the **ASG (Application Security Group)** and security team to address and mitigate security vulnerabilities in applications. Utilized security tools like **HP Fortify, Black Duck, and Veracode** to assess and maintain security posture. Conducted thorough analysis and remediation for various vulnerabilities including **HTML injection, SQL injection, input validation issues, encryption method updates, coding standard enhancements, server-side security checks, and resolution of pen test findings**. Proactively addressed vulnerabilities by updating libraries and ensuring compliance with licensing requirements.

Software Engineer, VAAYUJA info Solutions Pvt Ltd.   Jul.2015-Jun.2017

- **Software Engineer:** Utilizing **HTML5, CSS3, JavaScript, AngularJS, jQuery, and Bootstrap** developed a web application enabling efficient fee management and payment processing within the education sector.
- **IT Intern:** As an intern, I focused on developing and researching essential widgets for e-governance tools, including Notes, Emails, and Documents. The aim was to streamline and automate mundane day-to-day tasks, ultimately improving efficiency. Additionally, I worked on API Analytics, specifically analyzing API usage, monitoring load and transactions logs, and leveraging historical data to gain valuable insights.

PROGRAMMING SKILLS

- **Development Tools:** Visual Studio(2012,2019,2022), Visual Studio Code, Git, JIRA, Postman, Swagger, Jenkins, continuous integration/continuous deployment (CI/CD), NuGet, NPM, Yarn, TFS, Azure.
- **Languages:** C#, .NET Framework, ASP.NET MVC, ASP.NET Core, Web API, RESTful APIs, Entity Framework, ADO.NET, SQL Server, RDBMS, NoSQL, MongoDB, Cassandra, LINQ, Microservices, Docker, Azure, AWS, ReactJS, JavaScript, Angular, Vue, Redux, HTML, CSS, JavaScript, TypeScript, Jest, Enzyme, Webpack, Babel, ESLint
- **Methodology:** Agile methodology, Scrum framework.

HOBBIES

- House chef (I love cooking), reading nonfiction books for self-development, and an extrovert (also, depicting book summaries from YouTube channels).