

Joydeep Banerjee

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PROFESSIONAL EXPERIENCE

JSAT AUTOMATION, Philadelphia, PA || <https://www.jsatautomation.com>

Manager- Product Development March 2020 – Present

- Lead Product development for JSat's portfolio of software worth 0.5 million dollars.
- Successfully launched and deployed the JSat Training application and deployed for our biggest pharmaceutical client. In the process of deploying the JSat Workflow application to the same client.
- Completed the development of the Workflow application in a record 4 months through clear road-mapping and feature prioritization.
- Work with the recruitment team on technical interviews to hire software engineers for the product development team.
- Code Reviews, Software development (both frontend-Angular 12 and backend-Python 3 and .NET 5), Architecting features, product backlog maintenance, feature prioritization, progress reporting constitutes the weekly regime.
- Create high fidelity designs and/or POCs for demonstrations for validating customer interest in potential features or products.
- Participate in full-stack product sales and development - pre-sales with prospective customers, enabling successful customer onboarding to initiating and seeing it through the entire software development lifecycle culminating in deployment and post-deployment maintenance.

DATAcore SYSTEMS, Philadelphia, PA || <https://www.datacoresystems.com>

Software Engineering Manager March 2020 – Present

- Led software engineering for products with cumulative annual budget of 1M dollars.
- Working now on a Computer Vision product for a Boston based AI startup; successfully fast tracked the MVP development and initiated usability testing at a record time of 2 months using Lean approach.
- Built a platform to automate a Machine Learning pipeline for the project with an intuitive UI using Django, OpenCV, Scikit Learn and TensorFlow; the platform has enabled the Product Manager to have an instant understanding of the data quality and model efficiency.
- Created data pipelines leveraging Azure Data Factory with Azure Data Lake as the data source of truth and automating the pipeline to increase process throughput by 150 % removing almost all human intervention after the 1st iteration.
- Created Containerized Web Apps, APIs, AI Chatbots using .NET Core, Docker, Azure Kubernetes Service, Azure App Service, Azure DevOps and Jenkins generating more than a cumulative 2M dollars in revenue and 40% increase in customer retention and more than 50% increase in delivery efficiency.
- Maintained continuous validation process with business stakeholders on feature concepts and designs improving fidelity by 70%.
- Successfully completed the launch of 1 web application and more than 20 new features for 2 other Live applications for the City of Philadelphia. Recently been applauded by the Commissioner, Department of Records (City of Philadelphia) for the successful rollout of the much anticipated 'Crash Reports' portal.

DOIT, STATE OF ILLINOIS, Springfield, IL || <https://www2.illinois.gov/sites/doit/Pages/default.aspx>

Software Engineering Intern (Graduate Public Service Internship), Nov 2016 – Dec 2017

- Worked as an SAP Technical expert in a legacy system migration to SAP ECC for the Illinois Capital Development Board.
- Introduced task automation in daily IT processes to increase efficiency by at least 50%.
- Studied existing legacy applications, analyzed workflows and created data flow diagrams and user stories in MS VISIO.

WIPRO LTD., Bengaluru, INDIA || <https://www.wipro.com>

Software Engineer, Nov 2012 – May 2016

- Led a cross-functional team of 5 consultants to design and implement HR applications for one of the biggest aircraft manufacturers.
- Successfully deployed 20+ software applications using SAP UI5 (JavaScript), ABAP and OData.
- Collaborated with functional team closely during development to validate and assess functional fidelity leading to 30% high productivity.
- Mentored junior developers and did extensive code reviews based on the team's stipulated coding guidelines.
- Performed weekly scrum meetings as a senior engineer and report project status and concerns to the Architect and the Project Lead.

EDUCATION

UNIVERSITY OF ILLINOIS AT SPRINGFIELD (UIS), Springfield, IL

Master of Science in Computer Science, GPA: 3.87/4.0

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, Kolkata, WB, India

Bachelor of Technology in Computer Science, GPA 3.73/4.0

CERTIFICATION

Certified Scrum Product Owner (CSPO), January 2021

CORE COMPETENCIES

- **Technical Skills:** Software Development, DevOps and Containerization, Machine Learning, Azure Cloud Management, AWS Administration
- **Programming Languages:** Python, C#, JavaScript, Typescript, SQL, Java, Groovy, HTML, ABAP
- **Frameworks:** Flask, Angular, .NET Core