

# Joydeep Banerjee

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## PROFESSIONAL EXPERIENCE

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

*Manager- Product Development April 2021 – 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.

### DATA CORE SYSTEMS, Philadelphia, PA || <https://www.datacoresystems.com>

*Senior Software Engineer Jan 2018 – Feb 2020*

*Software Engineering Manager March 2020 – April 2021*

- 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 1<sup>st</sup> 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. 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

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### 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

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**Certified Scrum Product Owner (CSPO), January 2021**

## CORE COMPETENCIES

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- **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