KAUSTAV CHANDA

Full Stack Software Developer

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Experience

Hyland Software **Feb 2022 – Present**

Developer 2, Onbase Engineering *Kolkata, West Bengal*

- Developed **PDF Support** feature for legacy web based OnBase viewer bringing native PDF functionalities such as **text-selection, copying text, hyperlink support, bookmark support** generating **3000+ customer interest points** in Hyland Community.
- Modernized development workflow for legacy web application by using **Typescript** and **Webpack** tooling promoting **test-driven-development** approach.
- Containerized legacy web application and automated the process of creating **Docker images** from latest nightly build and continuous deployment using **Jenkins** reducing build set up time by around **75%.**
- Utilized **Jenkins** and **Vagrant** to provide a continuous integration service in order to automate the entire process of provisioning a virtual machine, installing the latest nightly build and test files, running the tests, generating a report of the results and cleaning up the resources once per day.
- Resolved over **30 accessibility defects** following **WCAG Conformance** guidelines diverse audiences achieving accessibility backlog reduction by **13%.**

Hyland Software **Aug 2020 – Jan 2022**

Developer 1, Onbase Engineering *Kolkata, West Bengal*

- Contributed to the development of Hyland's modern **Angular** platform for **OnBase**, creating shareable components supporting text selection, text search, bookmarking capabilities integrated using **GraphQL** and **REST** endpoints.
- Developed full fledged pre-import **web-viewer** module for showing preview of documents, supporting page manipuation operations such as **rotate, reorder, delete** before importing to OnBase.
- Integrated **native desktop functionalities** such as **scanning** and printing through **virtual print driver** in web application enabling capturing documents using the above.
- Wrote **UI automation** and **Unit tests** using **Protractor**, **Jest**, **Selenium** and increased **code coverage** to impressive **73%**.

Projects

Food Delivery App | *ASP.NET, SqlServer, Docker, Kubernetes, Azure Deployments* **December 2023**

- Developed Full-stack Food Delivery App using **ASP.NET**, **SQL Server** and **Entity Framework**. Implemented Authentication and Authorization using **.NET Identity** and **Json Web Tokens.**
- Implemented **CRUD REST endpoints** for different micro-services such as /order, /cart, /coupon, etc.
- Containerized the different micro-services using **Docker compose.**

Signature Capture Module | *Angular, Jest* **August 2020**

- Created Unified Web Based **E- Signature Capture** Module which supports **plug-and-play** for third-party signature pad devices such as Wacom, Topaz, etc.
- Understood existing third party SDK's and integrated them to fetch captured images from devices.
- Used **Observer** and **Strategy Design Pattern** to register different signature capture modules with the central signature capture manager.

Technical Skills

Languages: Java, C#, HTML/CSS, Typescript, JavaScript, SQL
Developer Tools: VS Code, Visual Studio, IntelliJ, Git, TFS
Technologies/Frameworks: .NET, Linux, Jenkins, Docker, Kubernetes, Vagrant, Webpack

Education

Heritage Institute of Technology (DGPA - 8.95) **July 2016 – May 2020**

Bachelor of Technology in Computer Science and Engineering *Kolkata, West Bengal*

Achievements

- Won the Hyland SPOT award 2021, 2023.
- NASA Space Apps Challenge 2017 Finalist.
- School Topper in Mathematics