

Development Environment for OCR

- IDE/Tools
- Backend
- Frontend

IDE/Tools

- Visual Studio 2019 – <https://visualstudio.microsoft.com/vs/>
- Visual Studio Code – <https://code.visualstudio.com/download>
- SQL Management Studio – <https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-managementstudio-ssms?view=sql-server-ver15>
- Service Fabric Explorer – <https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-visualizingyour-cluster>
- Azure Storage Explorer – <https://azure.microsoft.com/en-us/features/storage-explorer/>
- Azure Storage Emulator – <https://docs.microsoft.com/en-us/azure/storage/common/storage-use-emulator>
- Source Tree – <https://www.sourcetreeapp.com>

Backend

- Net Core 3.1 – <https://dotnet.microsoft.com/download/dotnet/3.1>
- Microsoft Azure Service Fabric SDK – <https://docs.microsoft.com/en-us/azure/service-fabric/service-fabricget-started>
- Web API – <https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-web-api>
- Identity Server 4 – <https://identityserver4.readthedocs.io/en/latest/>
- Polly – <https://github.com/App-vNext/Polly>
- Azure Application Insights – <https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insightsoverview>
- Entity Framework Core – <https://docs.microsoft.com/en-us/ef/core/>
- Azure SQL Server Elastic Pool – <https://docs.microsoft.com/en-us/azure/azure-sql/database/elastic-pooloverview>
- Azure Service Bus – <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messagingoverview>
- Azure Blob Storage – <https://azure.microsoft.com/en-us/services/storage/blobs/>
- Azure Application Gateway – <https://docs.microsoft.com/en-us/azure/application-gateway/overview>
- Azure CDN – <https://docs.microsoft.com/en-us/azure/cdn/>
- Azure Virtual Machine Scale Sets – <https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/>

- Azure Virtual Network – <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-overview>
- Azure Cognitive Services / Form Recognizer | OCR, invoice recognition – <https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/overview>
- Azure Key Vault | Store secrets like connection strings – <https://docs.microsoft.com/en-us/azure/key-vault/general/basic-concepts>
- SendGrid | Receive and Transfer Emails – <https://sendgrid.com>

Frontend

- react (16.13.1) <https://reactjs.org/>
- typescript (3.8.2) <https://github.com/microsoft/TypeScript>
- redux (4.0.5) <https://redux.js.org/>
- react-redux (7.2.0) <https://react-redux.js.org/>
- react-router(5.1.2) <https://reactrouter.com/web/guides/quick-start>
- react-tooltip(4.2.11) <https://www.npmjs.com/package/react-tooltip>
- axios (0.19.2) <https://github.com/axios/axios>
- i18next (19.3.3) <https://www.i18next.com/>
- formik (2.1.4) <https://formik.org/docs/overview>
- yup (0.28.3) <https://github.com/jquense/yup>
- lodash (4.17.15) <https://lodash.com/>
- moment (2.24.0) (<https://momentjs.com/>)
- enzyme (3.11.0) <https://enzymejs.github.io/enzyme/>
- sass: (1.26.3) <https://sass-lang.com/>
- tslint (5.20.1) <https://www.npmjs.com/package/tslint>