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# S a j i b   S e n

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Personal Webpage

## Employment

| Software Engineer | Kuehne + Nagel, USA | Jun. 2020 – Present |
|---|---|---|

- Writing Django solutions for EDI communications among carrier, warehouse, and enterprise.
- Enhanced cross-product visibility and removed dependency on vendor TMS in the US.
- Advanced codebase in Django for ELD (Electronic Logging Device) services for truck carriers. Achieved real-time Track and Trace services with 100% accuracy per shipment.
- Established infrastructure for 'KN PharmaChain' in the US and migrated 37 pharmaceutical customers. Reduced an estimated cost of $157k annually by decommissioning from vendors TMS.
- Improved backend to achieved last-mile service for Overland customers from Europe.
- Established API workflow to launch 'eTrucknow' in the US, a flagship product for Overland customers to plan, book, and track. Achieved global visibility for large TLM customers.
- Defined invoice automation over customers' sales region, which accelerated invoicing by two weeks.
- Working as one of the key technical communicators between local operations and global tech team.
- Providing IT support with detailed resolution and maximized test, gained reduced support issues.
- Collaborating daily with stakeholders, team-lead, and project owners for planning and reporting.
- Submitting deliverables on time, meeting global customers' needs and organizational targets.
- **Leveraging knowledge** in Freight Logistics, Python, Django, Linux, PHP, Docker, MySQL, X12.

| Software Engineer Intern | ReTrans, Kuehne + Nagel, USA | Sept. 2019 – Dec. 2019 |
|---|---|---|

- Wrote unit and integration test and improved 10% test coverage, measured by successful assertion.
- Performed automated Python 2to3 code translation and achieved full codebase migration to Python3.
- **Leveraged knowledge** in unit test, Python, Django, Git, Linux, MySQL.

| System Analyst | UMRF Ventures Inc. | Sept. 2019 – Dec. 2019 |
|---|---|---|

- Performed descriptive analysis of the client's large datasets and gained helpful insight into their system's venerability. Presented findings to the client via Splunk's dashboards and visualizations.
- **Leveraged knowledge** in System log analysis, Search and Discovery, Splunk.

| Research Assistant | University of Memphis | Aug. 2017 – Aug. 2019 |
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- Surveyed and analyzed algorithmic bias for optimization problems, published in IEEE conference.
- Analyzed network data for security flaws with ML algorithm for SDN, ransomware detection.
- **Leveraged knowledge** in Research and Development, Machine-Learning, Leadership.

## Education

- **Master of Science in Computer Science, GPA: 3.87/4.00**
- University of Memphis, Memphis, TN. Aug. 2017 – May 2020
- **Bachelor of Science in Electrical and Electronic Engineering, GPA: 3.58/4.00**
- Khulna University of Engineering & Technology, Khulna, Bangladesh. Mar. 2010 – Sept. 2014

## Skills

- **Proficient:** Python, Django, Git, MySQL, EDI, X12, JIRA, Transportation & Freight Logistics.
- **Familier:** Linux, PHP, Java, JavaScript, Docker, Elasticsearch, AWS.