CHETAK AGRAWAL
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EDUCATION

Minnesota State University, Mankato (MSU)   **July 2017**
Bachelor of Science in Information Systems   *GPA: 4.00*

TECHNICAL SKILLS

Programming Languages:	C#, ASP.NET Core, Java, JavaScript (jQuery), Typescript, Angular, Python, Ruby,
Database:	PostGres, SQL Developer, MS SQL Server, SSMS, Oracle, MySQL, Trino, SOLR
Frameworks & Technologies:	Entity Framework Core, Docker, Kafka, GQL, xUnit, AngularJs, Redux, Angular, NodeJs, GitHub, BitBucket, TFS, HTML, CSS, XML, AJAX, JSON, REST, SOAP, MVC, PHP, Selenium WebDriver, Power BI, Qliksense, Azure DevOps, PostMan, Fiddler, TeamCity

WORK EXPERIENCE

Bloomberg LP   **New York, NY**
Sr. Software Engineer   *May 2022 – Dec 2024*

- Led the project to setup SOLR architecture for our team for fast search and reporting purposes. Wrote a library to allow faceting and retrieval of the data. Also used native reporting tools to connect to SOLR and design reports for our team.
- Created a generic service to allow reindexing of data in SOLR. Leveraged Kafka to publish/consume data and push into SOLR. Designed in such a way that it could handle real time updates on primary database without data loss.
- Led the project to onboard data entities onto Trino and designed a GQL API for fetching data as a wider organizational initiative.
- Rewrote the UI to use SOLR as presentation layer. Improved the latency and throughput on multiple pages. Improved system by removing redundant entities which was making the system error prone and impacting system performance.
- Assist in the migration from bi-temporal to tri-temporal. Required major updates on the temporal library and the service.

All Web Leads   **Austin, TX**
Software Engineer II   July 2021 – April 2022

- Help in the migration of tables from MSSQL to MySQL. Removed obsolete code and refactored the code in the process.
- Help with the integration of client companies so that they can receive leads from AWL which also involves migrating old SOAP integrations to REST.
- Created RabbitMQ queues for the data to be saved in the DB.
- Use Splunk for logging and debugging purposes.
- Making UI updates to the Admin portal which is based on .NET MVC architecture. Used JS and React for front end.

Starkey Hearing Technologies   **Eden Prairie, MN**
Software Developer I   Dec 2018 – July 2021

- Assist in the migration of the web application (Ticketing website) to a Single Page Application using Angular (ngRx).
- Work with a senior developer to build a web application that allows users to create Tickets and track the status of the tests to run on the requested devices. The API allows test tools to process the ticket and the data collected is displayed on the website in the form of Power BI Reports.
- Work with a senior developer to Design and Develop REST API for the website with ASP.NET Core that connects to a database via Entity Framework Core.
- Work with the team to create and maintain services that allow interaction with the API(s) created by our team.
- Created the architecture to integrate Power Bi Reports in the website. Used the Power Bi Service to build queries to render the report on the website and designed the API which allowed accessing the same report for different tests.
- Interact with customers to put together a user-friendly client-side UI. Used technologies like HTML5, CSS3, Bootstrap4, JavaScript, AngularJS, jQuery.
- Make updates to different components of the web app on request basis ranging from Power Bi Report updates, UI updates, DB updates, API updates.
- Created a WPF application that takes in different Excel file templates and parses the data to save it to a MySQL DB.

Systems Verification Engineer I   Sept 2017 – Dec 2018

- Automated test procedures written to test the system level requirements of the Hearing Aid.
- Worked on two fundamental testing tools: AHATS - a WinForms application primarily used for acoustic testing and ASyST - a WPF application primarily used for mobile testing. Primary language used was C# and TFS for version control.
- Provided continuous support by releasing new versions of the test tools for each integration point.
- Responsible for maintenance/update of the developed test procedures with each integration point.
- Refactored the WinForms test tool (AHATS) with guidance from the mentors. Used TFS for code review.