Hasana Chaudry

chaudryh.com/
phone: 732-589-9770
linkedin.com/in/hasana-chaudry/
email: hasanachaudry@gmail.com
github.com/chaudryh

EDUCATION

B.S. Computer Science, B.A. Mathematics, B.S. Physics – Susquehanna University, PA May 2018

TECHNICAL SKILLS

Programming Languages/Frameworks: Python, SQL, TypeScript, HTML5, CSS3, Django, Flask, Angular 2-10, Angular JS
Libraries: Requests, Collections, RE, OS, Celery, Gulp, Data Science Stack (Pandas, NumPy, Matplotlib, Sci-kit Learn)
Tools: MATLAB, Eclipse, PyCharm, VS Code, Jupyter Notebook, TFS, Postman, Git, GitHub, Bitbucket, MySQL Workbench, JIRA
Servers: Windows, Linux, Apache, NodeJS, HTTP, PuTTy

PROFESSIONAL EXPERIENCE

Software Engineer **Bank of America, Merill Lynch – Pennington, NJ** Aug 2019 – Present

I am currently a lead, Angular developer that works closely with designers and Product Owners to develop an internal application that allows our agents/brokers to manage client profiles, investments, assets, and liabilities.

- Manage a team of five front-end developers and work as their lead in software development.
- Secured funding for and spearheaded the optimization and migration of components from AngularJS to Angular 2.
- Develop and optimize models and services in the Angular Framework to improve user experiences.
- Utilize Angular lifecycle hooks to control when certain datasets are available and improve application performance.
- Responsible for bundling/minifying apps, staging builds, and deploying code to various environments.
- Automate bundling and deployment tasks with custom-written gulp files.
- Track project development and manage workflow with JIRA.
- Handle daily deployments and code merges through Git and XLR and accordance to CI/CD protocols.
- Ensure that all delivered code is ADA compliant through carefully written CSS and HTML
- **Leverage knowledge in** AngularJS, Angular 2, gulp, JIRA, JavaScript, Typescript, Git, MS Visual Studio, TFS, and VS Code.

Data Scientist **Bowlero Corporation – Manhattan, NY** Jun – Jul 2019

In this role I developed an application that was used to track and increase internal revenue management. As a lead developer on this project, I had a unique role that involved a heavy mixture of data science and software engineering.

- Used Pandas to create dataframes, manipulate columns, and insert external data given existing revenue data.
- Used Numpy to analyze different data trends, organize data, and extract unstructured arrays.
- Worked with and queried MySQL databases on a frequent basis, inserting and modifying records.
- Created a bulk upload option in the UI that took in Excel files provided by the finance team, and then manipulated that excel data using Pandas and OS so that it matched the MySQL database structure.
- Visualized data with Matplotlib, communicating profitable data trends to the finance and marketing teams.
- Created automated queues for database upload tasks using celery.
- **Leveraged knowledge in** MySQL, Pandas, Numpy, Matplotlib, OS, celery, and PyCharm.

Angular Developer **NYC Human Resource Administration – Brooklyn NY** May – May 2019

I worked on an application that creates a portal for childcare providers throughout the city's boroughs, utilizing various extensive forms, controllers, data tables, registration services, and various other Angular 6 dependencies.

- Validated user input using Angular's reactive forms and validations.
- Built responsive websites for iOS devices with Bootstrap and CSS3.
- Developed authentication and security for application sign-in using Angular.
- Consumed RESTful APIs in the front-end with Angular built-in and custom services.
- Deployed the application through Git for the version control. Used sessions for better performance of the web page.
- Utilized Angular routing modules to create single page applications and implemented lazy load.
- **Leveraged knowledge in** REST APIs, Angular services, Angular routing modules, Bootstrap, VS Code, CSS3, and HTML5.

Python Developer (Intern) **Geisinger Health System– Danville, PA** Jan – Sep 2017

At Geisinger, I used MRI data from patients' records to develop an algorithm that mapped out the blood flow within veins and arteries, the workings of both ventricles, and a three-dimensional volumetric representation of the human heart. A customized version of the minimum spanning tree was implemented in this program to calculate the various focus points.

- Performed data analysis on MRI data from Geisinger Hospital's Fornwalt Lab.
- Organized and queried MRI data in implementable MySQL databases.
- Created a Graphical User Interface in MATLAB to plot the MRI data points.
- Created models and routes in Django to utilize certain data sets in the UI.
- Improved time efficiency and volumetric accuracy of the code to precisely map the blood flow by comparing the complexity of versions of the program in Python.
- Implemented Django forms in the GUI to allow for input values from medical professionals.
- **Leveraged knowledge in** Django, MATLAB, MySQL, Python 3, and Numpy.