

**Hasana Chaudry**  
732-589-9770  
[hasanachaudry@gmail.com](mailto:hasanachaudry@gmail.com)

#### **SUMMARY:**

- 2+ years of experience as a full stack Developer with proficiency in analysis, design, and testing enterprise applications using **Python, Angular 2+**, and **Django**.
- Proficient in front-end development with experience using **Python 2/3, Django, HTML5, CSS3, JavaScript, Bootstrap, Angular 2+**, and **Node.js**.
- Experienced in working with Angular concepts like Directives, Components, Router, Data Binding, Reactive Forms, Form Validations, Pipes, and Services.
- Experience working with Django templates, views, forms, authentication, and models.
- Experienced in the application of **regular expressions** to validate input fields and URLs.
- Experienced with the use of **Python libraries** such as **NumPy, SciPy, Matplotlib, Pandas**, and **re**.
- Strong foundation in **OOP principles**, and writing extensible, reusable, and maintainable code.
- Experience using and creating **REST API's** that provide CRUD operations.
- Experience with creating, querying and maintaining databases with many **DBMS** such as **MySQL, MongoDB**, and **SQLite**.
- Experience writing unit tests for applications using **Postman** and **UnitTest**.
- Experience in effective implementation of Django ORM and object document mapping (ODM).
- Familiar with the **AGILE** software development process, as well as participating in scrum calls.
- Experience in working and developing in segregated environments with **virtualenv**.

#### **TECHNICAL SKILLS:**

Programming Languages	Python, Java, JavaScript, C, C#, SQL, TypeScript, HTML5, CSS3
Databases	SQL, PostgreSQL, MySQL, MongoDB, SQLite, DynamoDB
Web Developments	Bootstrap, DOM, HTML5, CSS3, REST, JSON
Frameworks	Django, Flask, Angular 2-6, Karma, NodeJS, ExpressJS
Libraries	Pandas, SciPy, Pillow, NumPy, Matplotlib, SQLAlchemy, Pymongo, Scrapy, Requests, Unittest, Zeep, Collections, Celery, re, Pytest, PayPal
Tools	MATLAB, Eclipse, PyCharm, VS Code, Postman, GitHub, Compass, MySQL Workbench
Servers	Windows, Linux, Apache, Xampp, NodeJS, HTTP, AWS, Lambda, PuTTY

#### **PROFESSIONAL EXPERIENCE**

**NYC Human Resource Administration – Brooklyn NY**

**February 2019 – Present**

##### **Role: Angular Developer**

New York City's Department of Human Resource Administration (HRA) is responsible for maintaining and allocating taxpayer dollars to programs that resolve social service issues. The application I am working on creates a portal for child care providers throughout the city's boroughs. Providers can register users, maintain child records, enroll children who qualify for child care financial assistance, and bill invoices

through the developed application. The application utilizes various extensive forms, controllers, ngx-datatables, registration services, and various other Angular 6 dependencies. The backend of the application follows the ASP.NET framework and is coded entirely in C# as are its APIs. Databases for this application rest on a SQL server. And are constantly accessed through the RESTful APIs.

#### **Responsibilities:**

- Worked in a fast-paced environment on multiple projects and teams. Used **Angular** Framework to design and develop website using **MVC- Model View Controller** architecture.
- Developed professional web-based UI using **HTML5, CSS3, JavaScript**.
- Involved in creating UML flow diagram and EER for database design.
- Used **Angular reactive forms** and **validations** to validate the user input.
- Used **Bootstrap** and **CSS3** to build **responsive-websites** for different devices like mobile, desktop, laptop, and others.
- Developed Authentication and Security using **Angular** built-in authentication.
- Used **Angular** built-in and custom **services** to consume the **RESTful APIs** in the front-end.
- Deploy the application through **GitHub** for the version control. Created **MySQL** databases, tables and views. Used **sessions** for better performance of the web page.
- Wrote queries and procedures on tables in various created databases.
- Created the module transforming the web page to pdf file using **Python** for clients to easily retrieve invoices and documents.
- Utilized **Angular routing modules** to create single page applications and implemented lazy load.
- Deployed the platform built using Angular to **AWS**. Generated **Ec2** and connected to MySQL database.

**Environment:** Python, Angular, TypeScript, Express, CSS3, HTML5, PyCharm, NumPy, Pillow, PayPal, Git, MySQL Workbench, Pandas, Matplotlib, GitHub, AJAX, jQuery, Bootstrap, AWS, Jira, REST API, DRF-Django Rest Framework, Postman, Atom, PyCharm, Git, Git-Bash, Sublime Text

**Discover – Pittsford NY**

**May 2018 – February 2018**

#### **Role: Full Stack Developer**

Discover Financial Services, Inc is a financial services company based out of North America. The company owns Discover Bank which offers its clients financial services including credit cards, loans, checking and saving accounts. I worked with a team of software developers on Discover Card's website which allows its users to navigate between their various credit cards accounts with Discover as well as view their statements, make online payments, view their credit card history, order card replacements and request for additional loans. During my time on this internal project, I focused on increasing the efficiency of the Discover user interface and ensuring that clients were able to access their data and credit cards with ease on the go. I achieved this by using technologies including Angular, Bootstrap, CSS3 and HTML5.

#### **Responsibilities:**

- Worked in a fast-paced environment on multiple projects and teams. Used **Angular** Framework to design and develop website using **MVC- Model View Controller** architecture.
- Developed professional web-based UI using **HTML5, CSS3, JavaScript**.
- Involved in creating UML flow diagram and EER for database design. Created **MySQL** tables.
- Used **Angular reactive forms** and **validations** to validate the user input.
- Developed Authentication and Security using **Angular** built-in authentication.
- Used **Angular** built-in and custom **services** to consume the **RESTful APIs** in the front-end.
- Deploy the application through **GitHub** for the version control.
- Adopted **ng-template** and **ng-model** to create the form for user-friendly pop-ups.
- Used **sessions** for better performance of the web page.
- Wrote queries and procedures on tables in various created databases.

- Created the module transforming the web page to pdf file using **Python** for clients to easily retrieve invoices and documents.
- Utilized **Angular routing modules** to create single page applications and implemented lazy load.
- Deployed the platform built using Angular to **AWS**. Generated **Ec2** and connected to MySQL database.

**Environment:** Python, Angular, TypeScript, Express, CSS3, HTML5, PyCharm, NumPy, Pillow, PayPal, Git, MySQL Workbench, Pandas, Matplotlib, GitHub, AJAX, jQuery, Bootstrap, AWS, Jira, REST API, DRF- Django Rest Framework, Postman, Atom, PyCharm, Git, Git-Bash, Sublime Text

## **Pennington Law Group – South Orange, NJ**

**December 2017 - May 2018**

### **Role: Python Developer**

The Pennington Law Group is a firm of experienced attorneys that practice civil and criminal law based out of South Orange, New Jersey. I was hired to revamp the firm's website to allow for additional functionalities, easy to use admin interfaces, and client base management. My responsibilities included developing a user-friendly website that allowed the clients and attorneys to communicate and easily access the websites contents. I stored and updated client records and referrals in databases and generated invoices based on attorney rates and hourly input. The technologies used in developing this project included the Django framework, MongoDB databases, and Python scripts.

### **Responsibilities:**

- Responsible for developing the **back-end** of the website by gathering requirements from Business Analyst and turning those into suitable code structures.
- Used **Django** framework to develop the site using **MVT- Model View Template** architecture.
- Developed professional web-based UI using **HTML5, CSS3, Bootstrap, and JavaScript**.
- Used NumPy to analyze customer preference and Pandas and Matplotlib to visualize the result for administrative use.
- Developed **Restful API's** for all the functionalities implemented in the project using Class based Views in **Python Django**. Created **MySQL** and **PostgreSQL** databases, tables and views.
- Used **virtualenv** and pip to work in segregated environments for specific project requirements.
- Developed Authentication and Security using **Python Django's** built-in authentication.
- Responsible for debugging and troubleshooting embedded applications to improve performance and identify and fix issues.
- Deploy the application through **GitHub** for the version control. Tested the application using PyTest, unittest, and Postman.

**Environment:** Python-Django, SQL, SQLite, MySQL, Restful-API, Bootstrap, HTML5, JavaScript, jQuery, CSS3, Postman, Atom, PyCharm, Sublime Text, DRF- Django Rest Framework, PostgreSQL

## **Geisinger – Danville, PA**

**January 2017 – September 2017**

### **Role: Python Developer**

Geisinger Health System is a research and practice medical center headquartered in Central Pennsylvania. Geisinger Center for Health Research is a \$21 million research facility on the GHS Danville campus. This facility sponsors academic and medical research on a large scale with access to its large database of electronic health records. I worked as part of an internal software team on this facility that used MRI data from patients' records provided by Geisinger's Forwalt lab 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 on the volumetric image. This algorithm was intended to be used by surgeons in real time in the OR and in general patient care to accurately diagnose diseases, pathogens, and heart conditions.

**Responsibilities:**

- Involved in the all phases of Software Development Life Cycle like Requirements gathering, Analysis, Design and implementation of the project.
- Performed **data analysis** on MRI data from Geisinger Hospital's Farnsworth Lab.
- Classifying and organizing the obtained MRI data in implementable **MySQL** databases.
- Created a Graphical User Interface in **MATLAB** for plotting the MRI data points.
- Creating models and routes in **Django** to implement certain data sets.
- 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.
- Used **Jira** and **Git** source control to manage workflow and track project development.

**Environment:** Python, Angular, Django, SQLite, PyCharm, MySQL Workbench, MATLAB, HTML5, MongoDB, Jira, Git, AWS, REST API, DRF- Django Rest Framework, Postman, Atom, PyCharm, Git-Bash, Sublime Text, Bootstrap, Express, PyCharm

---

**A1 Enterprise – Manhattan, NY**

**July 2016 - December 2016**

**Role: Full Stack Developer**

A1 Enterprise is shipping and handling company that manufactures, supplies, and delivers clothing to retailers such as Kohls, Macy's, TJ Maxx, Target, etc. I worked with an internal team employed by A1 Enterprise to develop an inventory software that kept track of the inventory being shipped, the inventory's worth, updated location, recipient, and manufacturer.

**Responsibilities:**

- Involved in the various phases of **SDLC** (Software Development Life Cycle) like Requirements gathering, Analysis, Design and implementation of the project.
- Assisted in modifying the server for back-end **API** to perform the **CRUD** operations server using **AngularJS Framework**.
- Perform the test using PyUnit Test using Django. Set up databases that transported **JSON** data.
- Experience in performing CRUD operations using **MongoDB**
- Utilized **Mongoose** for Object relational mapping to create model Schema and database design.
- Implemented token-based authentication (**JWT**) using **AngularJS Auth Service** and **Node JS**.
- Implemented reading functionality to consume Django API server for the list of customers using Django-rest-framework.
- Deploy the application through **GitHub** for the version control.
- Deployed the platform built using AngularJS to AWS. Generated Ec2 and connected to MySQL.

**Environment:** AngularJS, Nodejs, MongoDB, Mongoose, Express, Bootstrap, CSS, HTML

**EDUCATION:**

**Bachelor of Science in Computer Science, Mathematics, and Physics – Susquehanna University, PA**