

Tushar Malakar

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SUMMARY:

One year of IT experience in various technologies as a full-stack developer using C# / .Net, Java, Python, Angular/ Typescript/ HTML/ CSS, SQL and NoSQL (Mongodb) to design, develop and maintain Web/ Desktop application.

- Very Skillful with MVC, OOP to produce micro-services/ endpoint and Internet protocols- http/https and tcp.
- Experienced with Different types of securities- SHA1, SHA2, SHA3; including Two Factor Authentication using JWT , session cookies. Command Line Interfaces.
- Skillful with Git, Docker Hub, Bit Bucket to manage version control.
- Skillful with Docker Engine/ Google Cloud Platform (Kubernetes Engine, App Engine, Compute Engine), AWS (S3) to build and deploy application.
- Very experienced in RDBMS like SQL SERVER, ORACLE and creation of databases, database tables, Views, Stored Procedure, User Defined Functions, Triggers, Query optimization, etc.
- Willingness to learn and master new technologies quickly and also have good communication skills.

TECHNICAL SKILLS:

Languages/Tools	C#.NET, Angular, VB.NET, Visual Studio, Spring Boot, Java, Python3, PIP, C++, Shell Script, SQL, MongoDB, Neo4j, Hadoop, Cassandra, Assembly Language, Flask, Docker, Postman.
Web development	ASP.NET, MVC, Web APIs, Typescript, Web Service, HTML, CSS, JAVA SCRIPT, XML, IIS, APACHE WEB SERVER, Tomcat server,
Operating Systems	WINDOWS 10/7, LINUX
RDBMS/DBMS	SQL SERVER 2012/2008/2005/2000, ORACLE, MYSQL
Configuration/Source Control	GIT, TEAM FOUNDATION SERVER (TFS)

PROFESSIONAL EXPERIENCE:

Like Minded Software, New York
Full-Stack Developer

December 2019 to till date

Project: HPD Housing Connect (HPD)

The New York City Department of Housing Preservation and Development (HPD) creates affordable rent-stabilized apartments and home ownership opportunities for households at a wide range of income levels and sizes. Objective of HPD application is to advertise available apartments through a lottery creation. Multiple applicants can apply for a apartment by submitting legal documents and income status. From these applicants , administrator can accept or reject and applicant.

- Responsibilities are divided into 50% with design/architecture role and 50% with coding/supporting applications.
- Responsible for collecting/understanding/documenting business requirements, translating those into functional/system design specifications, and creating software architecture documents.
- Designing/developing/supporting applications with Angular 7/Typescript/Node.js/npm/HTML/CSS for front end UI and ASP.NET/ MVC/C#/Entity Framework for backend web APIs.
- Responsible for database designing, creating tables/stored procedures/user defined functions/triggers and writing/optimizing complex database queries with SQL Server/TSQL.

- Supervising five team members, creating project plans, reviewing source code and mentoring the team members to solve various technical issues.
- Managing projects through the use of proven SDLC (including Agile/scrum) processes, procedures and tools to include planning, coordinating all project activities, daily stand up/status meetings, system specifications design and review, technical review, system testing, system implementation, post implementation review.
- Using TFS as a version control repository for source code and Git as a distributed version-control system for tracking changes in source code.

Platform: ASP.NET, C#, MVC, VISUAL STUDIO 2017, .NET FRAMEWORK 4.5, Entity Framework, Angular 7, Typescript, Node.js 10, NPM, Visual Studio Code, SQL SERVER, HTML, CSS, XML, Java Script, JQuery, Git, Bitbucket, IIS, Windows 10, Agile/Scrum methodology

Crown Castle, New York

June 2019 - Dec 2019

Software Developer Internship

- Maintain and support existing internal-developed software systems in the form of bug fixes and feature adds.
- Create and maintain agile-based task backlogs as well as traditional waterfall-style project plans.
- Provide insight and feedback to other architects and engineers related to their projects.
- Remain informed of current trends and best practices related to job duties.
- Develop standard operating procedures and other documentation related to network systems.

EDUCATION:

Hunter College, CUNY

Bachelor of Arts, Computer Science

New York City, NY

Jan 2018– Dec 2019

LaGuardia Community College

Associate of Science in Computer Science

Long Island City, NY

Jan 2015 – Dec 2017

RELEVANT COURSES

Distributed System and Cloud Computing, Data Structure, Discrete Math, Operating System, Relational Database, Blockchain, Bigdata, Computer Theory, Computer Architecture, Capstone

Honors & Awards

- **CUNY Hackathon 2019 (3rd Place):** Developed a blockchain voting system (TrulyVote) to revolutionize the current corrupt and unfair election system and to maximize young voter for anywhere using all the properties of blockchain.
- **Dean list:** Rewarded by LaGuardia Community College.

COLLEGE PROJECT:

Virtual Library (System Design):

September 2019- Dec 2019

Project description: A distributed high scalable cloud “Function as a Service (FaaS)” application with multiple replications where client can search, upload and download files / books. The system was designed using Python 3. The system has server-side caching and logging and a user friendly Angular-7 User Interface. The application used Google Cloud Storage to store files and MongoDB to store log file. We used Docker engine to create and serve images. The server was hosted in Google Cloud (Kubernetes). To see more details, please hit the [hyperlink](#).

Truly Vote: Decentralized Voting System using Blockchain

Oct 2019- Oct 2019

Project description: A distributed, diverse, unchangeable and decentralized online voting system using Blockchain technology. It was implemented to maximize the voting participation and to stop voting result manipulation. This web application was designed using ReactJs, PostgreSQL, JavaScript and JavaScript Web-socket and maintaining properties of double spending, RASsecurity, decentralized and unchangeable.

Hunter Collaboration

Jan 2019- May 2019

Project description: A full-stack web and android development to collaborate hunter college students having similar skills or project interest to develop projects. This application was designed using python flask to implement all CRUD operations and python web socket to make real-time communication.