

# Shreyas Bhupesh Makde

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Resourceful Full-Stack Software Engineer with expertise across modern back-end, front-end, DevOps, and cloud technologies. Experienced in building scalable applications, leveraging cloud platforms, and implementing Web3 solutions. Strong collaborator with proven record in volunteering and customer service, committed to delivering high-quality solutions in dynamic environments.

## Tech Skills

<b>Back-end:</b> C, C++, C#, Java, Swift, Python Objective-C, MS SQL, ASP.NET, Core .NET, MySQL Server, Node	<b>Front-end:</b> HTML, CSS, JavaScript, J-Query, JSON, XML, AJAX, Ember.JS, Angular, React, Vue.JS, Ember.JS Razor, AFL
<b>DevOps Technologies:</b> Power-Shell Scripting, Datadog Logs, Kubernetes, Docker Containers, ELK Stack, GitHub Actions	<b>Project Methodologies:</b> Agile and Scrum, JIRA, GitHub, Bitbucket, Source-Tree, Monday Boards, Bamboo, Service Now
<b>Cloud Technologoies:</b> <b>AWS:</b> S3, RDS, EC2, CLI, DynamoDB, CodePipeline, IAM, Elastic Beanstalk, Redshift, VPC, Cloud Formation, Lambda, IoT, Security. <b>Azure:</b> Boards, Pipeline, Repos, Test Plans, Artifacts <b>GCP:</b> Storage, Functions, Run, Firestone	<b>Web 3 Technologies:</b> Solidity, Rust, ETH Virtual Machine, Smart Contracts, IPFS Storage, Chainlink CCIP, Metamask SDK, Metamask Wallet API, ENS Domains, Coinmarketcap API, DeFi-Fundamentals

## Work Experience

### SOFTWARE ENGINEER (Tyler Technologies)

Jan 2020 – Present

- ❖ Proud to work with the phenomenal leadership of a **multinational corporation** for **School Transportation Solutions**
- ❖ As a full-stack developer, I work with the **entire .NET stack** powered with a wide variety of **evolving front-end technologies**
- ❖ Created components with front-end technologies via **Angular, Vue.JS, Kendo UI, MVC Razor views**, and **Node JS**.
- ❖ Equipped with a plethora of **SDLC** and **DevOps** tools including like **Amazon's AWS**, Microsoft's **Azure DevOps** and **TFS**
- ❖ Migrated large parts of front-end components from **Andgular to Vue.JS**, and backend apis from **thee tier to microservices**
- ❖ Implemented a full scale migration from **old TFS to new Git Repos** hosting using Microsoft's **git-tfs tool** for migrating large projects
- ❖ Used **ESRI mapping api** to builds runs and stops for school buses and record activity trips for schools and bus contractors
- ❖ Monitored **Datadog logging infratructure** for real time production usage to improved customer performance from logging feedback
- ❖ Wrote complex **SQL stored procedures and views**, with optimized **CTEs**, and lightning **fast execution plans**
- ❖ Engaged with **AWS console** to monitor client and qa databases, and deploy to AWS via **GitHub Actions** and **Azure Pipelines**
- ❖ Documented features on **confluence** like **Advanced Fleet**, an app for mechanics, and **onboarded contractors** to build on top of it
- ❖ Conducted in depth **code-reviews** of interns and contractors to ensure **code quality** and **test-driven** approach for maximum **code coverage**

### SOFTWARE ENGINEER (DISA Global Solutions)

Jan 2017 – Dec 2019

- ❖ Doing **Full-Stack Development** using server-side technologies like **SQL Server, ASP.NET Web Forms** and **MVC**
- ❖ Implementing client-side technologies like **HTML, CSS, JavaScript, JQuery, Ember.JS, Angular** and **AJAX**
- ❖ Restructuring of 15 years old system of legacy code which was written using **Classic ASP** and **Visual Basic Components**
- ❖ Using team-level and company-level branching strategies via **Bit-Bucket** repositories and various **Atlassian** products
- ❖ Creating **Desktop Applications** for data imports of all clients of the newly acquired companies using **Win Forms** and **WPF**
- ❖ Creating **Rest-Full Web APIs** and monitoring incoming **JSON** and **XML** data using data analysis tools
- ❖ Consuming **3rd party APIs** like **Authorize.NET** for processing payments and **Microsoft Great Plains** for finance revenues
- ❖ Approving requirements to meet the **Acceptance-Criteria** and coordinate the with business analysts, product owners
- ❖ Implementing biweekly **Agile and Scrum** by performing regular **sprints and daily stand-ups**
- ❖ Conducting job interviews for prospective **Software Engineers and Senior Software Engineers**

### GRADUATE TEACHING ASSISTANT (University of Houston, Clear Lake)

Jan 2016 – Dec 2016

- ❖ Teaching **iOS app development via X-Code** with frequent use of **Swift, Objective-C and Core Data (SQL-Lite)**
- ❖ Teaching **Design of Database Systems** to bachelor students so they can learn designing relational databases from scratch

### WEB DEVELOPER (University of Houston, Clear Lake)

Jul 2015 – Dec 2015

- ❖ Managing department website, adding application forms for students and applying appropriate **validations**
- ❖ Sending **auto-notifications** with student information to the department
- ❖ Gathering information from students via all communication channels for subsequent improvement of the website
- ❖ Implementing **HTML 5, CSS 3, JavaScript, Search Engine Optimization and SQL stored procedures**

# Certifications

**AWS Certified DevOps Engineer - Professional**  
**AWS Certified Developer - Associate**  
**AWS Certified Cloud Practitioner**  
**Teals Program Award for Volunteer Teaching**

*Feb 2023*  
*Jan 2023*  
*June 2021*  
*Academic Year 2018-2019*

## Projects

### **TRAVERSA: A Tyler Student Transportation App** (*Tyler Technologies*)

- ❖ As one of the primary developers in one of the largest student transportation solutions in USA, I **work full stack** on this product
- ❖ Worked with scattered front-end in **Angular, Vue.JS, JQuery, Razor**, backend in **ASP.NET**, and real time monitoring in **Datadog**

### **DISAWORKS (Legacy and new UI): A Drug Testing and Background Screening App** (*Disa Global Solutions*)

- ❖ Worked as a **full stack** developer in maintaining a three **tier legacy app**, with ongoing **features, bugs, and hotfixes**
- ❖ Migrated the **legacy app to a new Ember.JS App** with ember cli, and created a clean, test oriented front-end DisaWorks

### **HALLIBURTON'S OPENWELLS CROSS PLATFORM APPLICATION** (*University of Houston, Clear Lake*)

- ❖ Built a cross-platform Xamarin feature for Halliburton's iOS app using **JSON and C# Reflection** to connect with their API

### **SPZM BROKER** (*University of Houston, Clear Lake*)

- ❖ Built an **automated trading system** with genetic algorithms and TA on **S&P 500 Futures** using **C#** and Amibroker with HTML output

### **THE READING TEST APP** (*University of Houston, Clear Lake*)

- ❖ Built an iOS app in Swift using Core Data for persistent storage, enabling user registration, speed reading, and tracking of past activity

### **GSM-BASED LPG GAS LEAKAGE MONITORING SYSTEM** (*Yeshwantrao Chavan College of Engineering*)

- ❖ Built a microcontroller system in **low-level C** (assembly equivalent) for gas cylinder registration and leakage alerts on low capacity

## Education

### **MASTER'S IN COMPUTER SCIENCE**

*University of Houston, Clear Lake*

GPA: 3.57/(4)  
*Jan 2015 – Dec 2016*

### **BACHELORS IN ELECTRONICS ENGINEERING**

*Yeshwantrao Chavan College of Engineering, Nagpur University*

GPA: 6.53/(10)  
*Aug 2010 – Jul 2014*

## Extra-Curricular

### **MICROSOFT TEALS VOLUNTEER** (*TEALS – Computer Science in Every High School*)

*Academic Year 2018-2019*

- ❖ Volunteered as a Teacher for AP Computer Science class for high school students for teaching JAVA

### **ORIENTATION LEADER** (*Orientation and New Student Programs, University of Houston, Clear Lake*)

*May 2015-Dec 2015*

- ❖ Completed a leadership retreat focused on public speaking and hospitality; led orientation ice-breakers for students

### **SGA REPRESENTATIVE** (*Cross Cultural Anthropology and Sociology Student Association*)

*Feb 2015-Dec 2015*

- ❖ Elected SGA representative for CASSA; organized events to bridge diversity to promote cross-cultural engagement

### **SUCCESS COACH**

*HAWK leadership institute, University of Houston, Clear Lake*

*May 2015 – Dec 2015*

- ❖ Trained freshmen and sophomores to build leadership skills and identify personal strengths through guided sessions

### **BOARD OF DIRECTORS** (*ICON-2014, Yeshwantrao Chavan College of Engineering*)

*Jan 2014 – March 2014*

- ❖ Implemented a national level technology festival which was constituted of variety of sponsors and lasted 3 full days

### **EVENT MANAGEMENT HEAD** (*ICON-2013, Yeshwantrao Chavan College of Engineering*)

*Jan 2013 – March 2013*

- ❖ Got elected as event management head for executing ICON 2013

### **CO-ORGANIZER FOR TECH-KIDDOZ** (*ICON-2012, Yeshwantrao Chavan College of Engineering*)

*Jan 2013 – March 2013*

- ❖ Conducted a science exhibition for middle school kids so they get inspired to join our college