

# Fenil Shah

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## SKILLS SUMMARY

- Fundamental knowledge of Software Development Life Cycle, functional & object-oriented principles, Test Driven Development, event-driven approach, relational databases using Agile methodology through hands on experience developing cloud, web and desktop applications.
- 2.5 years of experience as a software developer developing applications following best practices using HTML, CSS, JavaScript, C#, ASP .NET MVC framework, Entity Framework, ASP.NET Core.

## PROFESSIONAL SKILLS

**Programming Languages:** C++, C#, VB.NET, Python, JAVA, MATLAB  
**Web technologies:** HTML, CSS, JavaScript, JSON, AJAX, jQuery, Bootstrap, ReactJS – Redux, ReactHooks, ASP.NET, Web Services, REST APIs, NodeJS, ExpressJS  
**Framework:** .NET Framework, Entity Framework, ASP.NET Core, SpringBoot  
**UI Libraries:** TelerikUI  
**Database:** MySQL, SQL Server, IBMDB2 CloudDB, MongoDB  
**Version Control Systems:** Git, Team Foundation Server  
**Issue Tracking Systems:** JIRA, BitBucket, GitLab, GitHub  
**Methodologies:** Agile-Scrum, Waterfall  
**Tools:** PyCharm, Jupyter Notebook, IntelliJ, Visual Studio, VS Code, SQL Server Management Studio, MySQL Workbench, Swagger, Docker, Postman,  
**Cloud Technologies:** Google Cloud (GCP), Amazon Web Services (AWS), Azure

## PROFESSIONAL EXPERIENCE

### KINAXIS INC., Ottawa, ON

**Co-Op Developer, Innovation Incubator team** January 2022 – Present

- Currently working as a full-stack co-op developer in the Innovation Incubator team where the responsibilities are to develop proof-of-concepts related to the organization’s product and working on the enhancements on the algorithms written in C++ for the new workflows in the existing product.

### SSM INFOTECH SOLUTIONS PVT. LTD., SURAT, IN

**Software Engineer** September 2019 – January 2021

- Enhanced the product “Alarm Information and Management System (AIMS)” as measured by its performance in terms of time of alarm to be fetched from the distributed control system (DCS) panel to the AIMS system reduced and better key performance indicator (KPI) of the plant reports generation. Techstack: .NET framework, C#, REST API
- Developed (Initial Phase) and integrated e-logbook cross-platform application with an in-house multi-purpose development platform to allow the industrial clients to enter the logs of the industrial and mechanical equipment readings hassle-free and get the interactive customized reports and charts to gain better insights about the industrial processes. Techstack: Xamarin, SQL Server
- Developed desktop-based application for tracking the configured alarms on Large Video Screen (LVS) with hooter functionality which alerts the site engineers about the critical alarms in the system. Techstack: .NET framework, C#
- Developed database stored procedures for the customized alarm report generation for the user.

### INFOSYS LTD, PUNE, IN

**Systems Engineer** July 2018 – August 2019

- Provided application support to clients by resolving the application performance issues, for instance, the functionality of booking the meeting hall was not working as expected due to which multiple users were able to book same room at the overlapping duration which led to confusion about the actual booking, faced by them within the defined Service Level Agreement (SLA) by fixing the application bugs based on the interaction with the clients.
- Collaborated with the database team to perform the database remediation activity, which was the most critical part as the whole user’s bank account data was involved in this activity and even a single incorrect step might have led to the data loss, as a part of the infrastructure migration from SQL Server 2003 to SQL Server 2013.
- Provided application support for the product RSA Archer GRC (governance, risk and compliance) platform related to the user and workflow management.

- Code re-writes for a Contract management System (CMS) web-based application from VB.net to C#.

**INFOSYS LTD, MYSORE, IN**

**Systems Engineer Intern**

**February 2018 – May 2018**

- Completed internship on technologies such as Python, SQL, RDBMS, C#, Advanced C#, ASP.NET MVC Entity Framework, jQuery, AJAX.
- Applied the learning about the above-mentioned technologies through development of a web application "Automated Schedule Generation " by leading a group of 5 people to help the organization to automatically schedule classes for the upcoming trainee and intern batches.

**EDUCATION**

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**DALHOUSIE UNIVERSITY, HALIFAX, CA**

**January 2021 – Expected Graduation, May 2022**

***Master of Applied Computer Science***

- Relevant Coursework: Communicating Computer Science Ideas, Data management, Warehousing and Analytics, Advance Software Development, Advance Web Services, Cloud Computing, Serverless Data Processing, Data Visualization, Machine Learning

**DHARMSINH DESAI UNIVERSITY, NADIAD, IN**

**Aug 2014 - May 2018**

***Bachelor of Technology, Information Technology,***

**Honors: *cum laude* (GPA: 8.6/10.0)**

- Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Design Patterns & Application Frameworks, Data Analysis & Extraction, Knowledge Systems, Distributed Computing, Web Technologies

**PROJECTS**

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- **MusicO – A Music Streaming Web Application** **May 2021 – August 2021**  
**Techstack: ReactJS, SpringBoot, MySQL**  
Developed a Music streaming web application that allows the registered users to listen songs, create and manage playlists, connect, and make friends with other application users and import their public playlists.
- **Halifax Foodie – A Food delivery app** **May 2021 – August 2021**  
**Techstack: ReactJS, NodeJS, AWS and GCP Services as Backend**  
Developed a multi-cloud serverless event driven food delivery web application that allows the restaurants’ to register, manage menus and check recipe similarity score with other restaurants using machine learning technique and allows customers to order food, provide feedback and ratings, chat with restaurant team, track the order, etc. AWS services like AWS Lambda, SNS, SQS, S3, API Gateway were the major components used as the backend.
- **Distributed Database Management System** **January 2021 – April 2021**  
**Techstack: Java, GCP**  
Developed a distributed database management system that allows users to execute basic SQL queries and other features such as exporting SQLDump and text based ERD. Google Cloud storage was used to store the centralized Global Data Dictionary (GDD). The main objective of the project was the choice of placement of GDD and the data structures to perform the database operations. In this project, LinkedHashMap was chosen for performing the operations on the data and HashMap was chosen to store the metadata of the database tables.
- **Course Management System** **January 2021 – April 2021**  
**Techstack: Java, SpringBoot, MySQL**  
Developed a Course Management System by following a test-driven development approach that has a role-based login where the end users can have either of the three roles: Student, Faculty, and Admin. Users can access the application with their registered credentials and perform operations as per their assigned role such as Students can take quiz, take class notes, etc., Faculty can add quiz, enroll students, schedule meeting with students, etc. and Admin can assign courses to faculties and enroll students into the system.

## ACHIEVEMENTS

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Completed below courses on leading e-learning platform Coursera

1. Agile Software Development – LinkedIn Learning (January 2022)
2. Server-side Development with NodeJS, Express and MongoDB (HKUST) – Coursera(December 2021)
3. Scrum Foundation Professional Certificate – CertiProf (October 2021)
4. Agile Basics Certified – Agile Institute (September 2021)
5. Building Modern Python Applications on AWS (July 2021)
6. Version Control with Git (May 2021)
7. Data Analysis with Python (October 2020)
8. Databases and SQL for Data Science (September 2020)
9. Data Science Methodology (August 2020)

## INTERESTS

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- Vocalist – have been a part of the music club at corporate level
- Swimming, Pianist (beginner)

## REFERENCES

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Available upon request.