

TANMAY KALE

Fremont, CA

LinkedIn: [linkedin.com/in/tanmaykale](https://www.linkedin.com/in/tanmaykale)

Github: github.com/tkale1

(607) 297-0376 | tanmay.kalee@gmail.com

Website: www.tanmaykale.com

TECHNICAL SKILLS

- **Programming Languages:** Java, SQL, HTML, CSS, C, C++, JavaScript, HTML5, Python
- **Databases:** MySQL, Oracle DB, MS SQL Server, IBM DB2, MongoDB
- **Frameworks:** Spark, ReactJS, React Native, Ruby on Rails, Spring, Hibernate, JQuery, AJAX
- **Tools and IDEs:** Eclipse, Net beans, IntelliJ, Atom, Microsoft Office, MongoDB Compass, Tomcat, Xcode, Maven, Ant, Unix, Github, JIRA
- **Methodologies:** Agile, Scrum, Object Oriented Design/Programming, Design Patterns, MVC, TDD

WORK EXPERIENCE

Full Stack Developer | *Patience & Fortitude* | Los Angeles, CA

Nov 2017 – Present

- Collaborating in the frontend and backend development of iOS mobile application using **React Native** JavaScript Framework.
- Created RESTful service using **Python** on backend for data processing and data connection.
- Implemented Google Places API from Google Maps SDK to display geolocation of real estate and neighborhood information.
- Integrated Single Sign-On and OAuth features using Facebook Login SDK and Google OAuth 2.0 API.
- Contributing in planning, designing, development, debugging and release phases of the iOS application.
- Conducting Beta Testing using TestFlight through invitations and analyzing and Fixing bugs reported by Beta users.

Software Developer Intern | *Binghamton University* | Binghamton, NY

July 2017 – Oct 2017

- Developed course registration system using **HTML5**, **CSS**, **JavaScript**, **jQuery** for frontend and **MongoDB** at the backend
- Automated efficient course assignment to students reducing manual work by 80%.
- Designed and engineered intuitive UI for registration dashboard introducing waitlist feature for enrollment to in a full class.
- Tested the application with 1200+ students and 33 courses for performance and reliability.

Software Developer Intern | *Thinkstrap Technologies* | Mumbai, IN

May 2016 – August 2016

- Automated health check tool by implementing **RESTful** web service in **Java** (Jersey / JAX-RS) to track status of 6+ online systems and presented availability and performance metrics to user.
- Developed the application with **Agile** methodology using **Spring MVC** architecture and **Hibernate** to map the Java classes along with MySQL server database and **ANT** to build the application.
- Carried out **Test Driven Development** using mock objects to emulate system's behavior for real-time scenario.
- Interacted with team for design improvements and wrote reusable code using Design Patterns along with extensive use of **GIT** for version control.

Web Developer | *Innovations* | Nashik, IN

January 2014 – June 2015

- Designed websites using WordPress and Drupal CMS, integrated custom PHP plugins based on client requirements.
 - Collaborated with team to develop website and devise solutions for clients' technical problems.
 - Delivered e-commerce solutions and Integrated PayPal and PayU for payment gateways.
 - Analyzed web page performance using Google Analytics and used Calls-to-Actions to improve conversion rate.
- Technologies used:** WordPress, HTML, CSS, JavaScript, JQuery, Google Analytics, AdWords, Social Media Ads

PROJECTS

Design Patterns | *Java*

- Developed an algorithm using **multithreading** for Object Pool API using Singleton and Factory Pattern for allocating 4 courses to 100 students based on 7 different preferences while keeping the average preference score minimal.
- Built a well-designed application for reading the statistics of a given file using **Visitor** pattern in **Java**.
- Implemented a backup system using **Observer** pattern to notify and update backup records when file is modified.
- Built an application to read different class details from a file, creating and populating objects of the respective classes accordingly using **Java reflection API**. Parallely keeping track of number of unique and duplicate objects created.
- Used **ANT** for building and deploying the application along with **GIT** for version control.

iOS Application Development | *Objective C, Swift, SpriteKit, Firebase Framework, Git*

- Designed and developed 9 **iOS** games individually and with a group of 2 to 4 members for all Apple devices.
- Developed **Guess the Song - Music Quiz!** A multiplayer **iOS game** application to compete over 100+ songs.
- Implemented Phrase Based Machine Translation(PBMT) model using **Google Cloud Translation API** to develop an **iOS** application supporting languages translation for 207 languages conforming to ISO-639-1 Code.

Data Mining for Trend Predication | *Python*

- Developed a Python application for implementing item based collaborative filtering for analyzing consumption pattern for 15000 users and 1400 items while using **sklearn Python** Library to calculate the generate similarities.

Database Technologies | *Java, JavaScript, JSP, HTML/CSS, JDBC, PL/SQL*

- Collaborated with 2 team members to develop Retail Business Management System with interactive menu-driven UI in **HTML/CSS** using Oracle's **PL/SQL** for handling inventory of 15 store items.
- Responsible for preparing the foundation of project by coding specific **Java** data objects, **Java** source files and SQL statements designed for graphical presentation of the front end.
- Created **packages** and **procedures** to automatically drop table indexes and create indexes for the tables and programmed complex database objects like **sequences**, **functions** and **triggers** using **SQL** and **PL/SQL** for relational DB operations.

EDUCATION

Master of Science in Computer Science

State University of New York, Binghamton (SUNY Binghamton)

May 2017

3.3 / 4.0

Bachelor of Engineering in Information Technology

University of Mumbai, India

June 2014

3.67 / 4.0

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (pursuing)
- MongoDB for Java Developer (2017)
- IBM's Rational Application Developer (RAD) and DB2 (2012)