
In News Media

- [1] <http://www.chronicle.com/blogs/wiredcampus/for-125-2-students-build-official-app-for-suny-albany/52687> [May 2014]
- [2] <https://www.universitybusiness.com/article/apps-move-campus> [July 2014]
- [3] <http://www.albany.edu/news/53046.php> [Sept. 2015]
- [4] <http://www.albany.edu/news/66436.php> [Jan. 2016]

Skills



Web Technologies: AngularJS, ReactJS, BackboneJS, JQuery, RESTful Web Services, XML, JSON, HTML, CSS, SASS, WordPress, Drupal 7 and 8, d3.JS, Bootstrap, Zurb Foundation, Zurb Ink for Emails, Ajax, SEO

Mobile App Development: React Native, Ionic, PhoneGap, PhoneGap Build, Cordova, Android SDK, Swift, Android Studio, Apple Xcode

Programming: OOP, Java (J2SE, Spring, Jersey, Servlets, JSP), C, C++, MATLAB, UNIX, JUnit, UML

Scripting Languages: Python, PHP, Node.JS, JSP, PowerShell, JavaScript

DB: MySQL Server, SQL (queries, stored procedures, triggers, etc.), Firebase, MongoDB, Oracle database(PL/SQL)

Software Development Tools and Technologies: AWS (EC2, Elastic Beanstalk, S3, RDS, Kinesis, Device Farm), Linux Platform, Windows Platform, Jenkins CI, SPOCK framework, Selenium, JUnit, Eclipse IDE, NetBeans, GIT, GitLab SVN, Sublime text, Brackets, Jira, Microsoft Project

Computer Forensic Tools: Kali Linux, ProDiscover, FTK Imager, EnCase Imager

Education



University at Albany

Graduate Certification – Information Security	Dec. 2016
M.S. Computer Science	Dec. 2015
B.S. Computer Science-Applied Math	May 2014

Ulster County Community College

A.S. Computer Science	May 2011
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Publications & Research Interests



[Publication]

V. Patil, **S. Parikh**, P. Singh, and P. K. Atrey. GeoSecure: Towards Secure Outsourcing of GPS Data Over Cloud. IEEE SPC 2017. (Accepted, August 10, 2017).

[Research Interests]

Fake News Detection: Researching where the fake news has been growing and entering the social media, implementing ways to detect fake news by using natural language processing and image recognition techniques.

Recovery using cloud: This research interest of mine, involves coming up with the solution combining multiple cloud service providers to create The True Disaster Recover solution that can delivery content at the fastest speed possible and that can stay up even during an individual Cloud Service Provider is down.

Experience



University at Albany, Albany, NY

Jan 29th, 2018 - Present

Senior Programmer/Analyst (System Developer Analyst), ITS – Enterprise Infrastructure Services

- Providing subject matter expertise for application development tools and technologies within scope by staying current with industry trends, developing a professional development plan, and regularly sharing knowledge with ITS stakeholders
- Design, build, and operation of platform integration software to provide internal ITS teams with solutions for integrating enterprise applications
- Analysis and design of systems to meet assigned project and operational requirements
- Providing day to day operational ownership for assigned systems including patching/upgrading, configuration management, continuous monitoring, and performance management Providing automated solutions that increase throughput and decrease operational expenses for the deployment, integration, and operation of systems
- Development and maintenance of documentation for the architectural design, build/configuration, and operational procedures for systems within scope
- Utilizing ITS service desk software to manage queue of service requests, incidents, and problems for assigned systems
- Maintaining the security posture for assigned systems in accordance with industry best practices, ITS Information Security Officer and Identity & Access Management policies and procedures
- Participating in the development and maintenance of systems standards
- Utilizing ITS' work management software and procedures to track and document assigned work

University at Albany, Albany, NY

April 2015 – Jan 28th, 2018

Lead Programmer/Analyst (Application Developer), Office of Communications and Marketing

- Further extended the functionality of UAlbany iOS and Android Mobile App (ref. [Web & Mobile App Developer](#) position below)
- Worked on Object Oriented Software Development projects, involving more than one OOP language.
- Wrote applications for web use using technologies like AngularJS, ReactJS, PHP, Bootstrap, SQL, Google APIs, OpenWeatherMap Java APIs and keeping them updated with new software updates and enhancements.

- Worked on integration between mobile app and PeopleSoft (using Single-sign on) data stored in Oracle Database environment (writing SQL code) to implement user data delivery solution over web and mobile to support web and digital strategy.
- Initiated a partnership with ITS division to further extend the functionality of app via written APIs using Spring framework to consume PeopleSoft Student Data from Oracle PeopleSoft System.
- Worked on coming up with strategies for web integration architectures using multiple protocols.
- Redesigned UI and re-developed the mobile app to house more content as Version 2.0 with leveraging Authentication API (written in Java Spring Boot) that allowed students to access their personal data such as Class Schedule, Notices & Holds, and Grades.
- Leveraging Device Farm Service (AWS cloud) to deploy app on multiple mobile Operating Systems for System Testing and Quality Assurance Testing.
- Integrated Deep Linking between push notifications and mobile app data to improve user experience.
- Designed and developed proprietary Daily Newsletter E-Mailing system using analytical and problem solving skills, that can run over HTTP protocol (aka: Today at UAlbany - email) using Zurb Foundation, Zurb Ink, in-line CSS, designed relational DB. Wrote code in PHP, and JAVA to handle automation of HTML email content and delivery of newsletter email to over 17000 users every day, also leveraged AngularJS and Firebase for backend.
- Self-Taught Drupal 7 and 8, working on transitioning to Drupal 8 from OpenText RedDot CMS.
- Also gave hands on training to users of Daily Newsletter E-Mailing System on how to use it and prepare troubleshooting documents.
- Implemented GIT version control, Code Review process using GitHub, GitLab, and Jira for issue tracking for agile development.
- Using confluence for technical documentation of all the projects and along with creating troubleshooting articles with UML and MS Visio.

University at Albany, Albany, NY

Aug. 2014 – May 2015

Graduate Technology Assistant

- Developed campus tour signup application using PHP, AngularJS, and Sass.
- Supported Undergraduate Admissions department for their Web and IT needs.
- Designed landing webpages for upcoming admissions events.
- Transitioned manual workflow to leverage CRM (Customer Relationship Management) system for faster and efficient potential students' data collection.
- Implemented solution to move raw webpages to OpenText RedDot CMS (Content Management System).

CommerceHub, Albany, NY

Feb. 2015 – April 2015

QA Engineer, Intern

- Created test APIs to mimic the functional requirements and test the prod APIs.
- Worked on OOP projects, wrote Junit test cases and test data to test backend application (JAVA apps) also utilized SPOCK framework.
- Utilized Amazon Kinesis Streams (AWS) to pass data between JAVA Apps and run test cases to assure the performance of backend APIs.
- Performed white-box and black-box testing on JAVA app leveraging JSON data.
- Used Selenium Browser automated testing tool to quality assure web application.
- Created test cases in JSON format to test APIs using analytical skills.
- Used GIT for version control, JIRA for issue tracking, and GitLab for code review process.

University at Albany, Albany, NY

Aug. 2013 – Aug. 2014

Web & Mobile App Developer Student Assistant

- Designed and developed iOS (Objective-C) and Android app (Java) named `UAlbany` using PhoneGap framework.
- Created focus groups and student surveys to improve design and functionality of the app.
- Transformed codebase to leverage PhoneGap Build for automation building capability.
- Implemented Push-Notifications for faster communication and quick delivery of alert notifications.
- Implemented Google Analytics to monitor how users/students like to interact with the app.
- Conducted Automated, Black-Box, and White-Box testing.
- Published version 1.0 to Apple App Store and Android Play Store.
- Continues receiving feedback from user community and keep on updating the app with improvement.

Projects (www.github.com/shivam268)



Mobile App:

Download Here: [iOS](#) [Android](#)

Made a first Official Mobile App for University at Albany, which was downloaded by more than 40% of students (over 9000 downloads) within the first month of release and rated over 4 stars on Android and Apple stores. App is still an official App and currently has over 14000 users as of June 2017.

Barter System for College Students:

Visit at: www.ualbany.xyz

Responsive Web Application created using modern technologies like Java Spring, AWS (S3), Zurb Foundation (FrontEnd Framework), AngularJS 1.x, Firebase Technology (NoSQL DB and Token based authentication). It leverages Firebase authentication API to Sign up and Sign in users.