

## PROFILE SUMMARY

*Software App Development | Web Development | Quality Assurance Testing | Project Management*

- Software Developer dedicated to improving tools and infrastructure to maximize productivity, minimize system downtime and quickly respond to the changing needs of the business. Full stack developer with experience working with a team of back-end and front-end developers.
- Subject matter expert in software project methodologies; solid technical background, with understanding and working knowledge of multiple technical software delivery methodologies.

## AREAS OF EXPERTISE

- Web App Development
- Web Content Management
- MySQL Optimization
- Performance and Sustainability
- Mobile App Development
- .Net Development
- Website Optimization
- Quality Assurance
- Front end Development using Javascript
- Landing Page Development
- E-Commerce Application Development
- HTML/CSS/Bootstrap development

## PROFESSIONAL EXPERIENCE

### Application Developer

May. 2017 - Aug. 2017

#### Dassault Systemes SolidWorks, Boston, Massachusetts

- Developed standalone applications using C# for DraftSight, a 2D CAD product.
- Created user-centered designs based on business and functional requirements, user research, market analysis, customer feedback, and usability findings.

### Application Developer

May. 2011 - Jul. 2016

#### Global Analytics, Chennai, India

- Developed web/mobile applications using Django, Android and Swift.
- Improved the user-experience by applying best practices and industry trends currently in the marketplace.

## EDUCATION HISTORY

- **Arizona State University**  
Master of Computer Software Engineering | GPA: 4.0/4.0  
Dec. 2017 (On-going)
- **IIIT Hyderabad**  
BTech in Electronics and Communication | GPA: 6.7/10.0  
May. 2011

## TECHNICAL PROFICIENCIES

- **Languages:** Python, Java, C#, JavaScript, CSS and HTML.
- **Databases:** MySQL and PostgreSQL.
- **Operating Systems:** Mac, Windows and Unix.
- **Tools/IDE:** SVN, Git, Visual Studio, Eclipse, NetBeans, Pycharm, Vim

## PROJECTS EXECUTED

### AUDIENCE MANAGEMENT PLATFORM

Create an audience management platform using Skyhook's geo spatial data using python, pymongo api.

- **Tools Used:** python, pymongo, django REST framework, mongodb, Javascript
- **Implementation:** The data is parsed using django REST and written into mongodb clusters using pymongo api. This data is used to create customized APIs that takes search parameter from the user and returns target audience.
- **Integration:** New audiences are integrated into the existing application and are uniquely identified by the audience IDs.
- **Testing:** Django Unit test framework is used to write testcases for each method in all the Classes.

### LENDING STREAM

Build predictive models based on a huge customer dataset.

- **Tools Used:** python, scikit-learn, matplotlib, seaborn, numpy, pandas
- **Implementation:** The computed model generation code is written using python scikit learn
- **Integration:** Integrated into the web application that makes the decision of approving/rejecting the loan applied by the customer.
- **Testing:** Unit test cases are written for each module that is implemented. Regression testing of overall web application is done.

More project info at <http://www.vivekallu.com/#works>