

MOUNIKA

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<https://mounikarula.github.io/Portfolio-Website/>

Summary

- Highly motivated, charismatic, self-starter with 2+ years experience as a Software Engineer
- Specialized in developing applications with technologies like HTML5, CSS3, JavaScript etc.
- Focused primarily on building web architecture with an eye for detail, appreciation for design, knowledge of integrating with server-side scripting
- Experience in software quality assurance testing
- Good understanding of Model View Controller (MVC) Pattern
- Knowledge in writing test plans and test cases
- Proficient in gathering and preparing data and files for testing
- Functional knowledge of version control (GIT)
- Experienced in Responsive Web Design
- Familiarity with front-end build/publish tools, such as Grunt, Gulp, Webpack, Browserify
- Good knowledge of various JavaScript frameworks like jQuery, AngularJS etc.
- Experienced in cross browser compatibility
- Good understanding of IOT strategies, standards and protocols
- Knowledge in Full Stacks like MEAN and LAMP
- Comfortable working independently or as part of a team
- Basic understanding of embedded or real time operating systems
- Ability to manage multiple projects and deadlines
- Adaptability to changing requirements and instructions
- Experience of Continuous Integration and development and supporting tools such as CloudBees
- Strong experience in all phases of Software Development Lifecycle(SDLC) using Waterfall, Agile/Scrum

Skills: Tools & Technologies

Web Technologies:	HTML/HTML5, CSS/CSS3, JavaScript, JSON, jQuery, JSON, XML, Bootstrap, AJAX
Frameworks:	AngularJs, NodeJs, ExpressJs
Full Stacks:	LAMP, MEAN
IDE's:	Sublime Text, Brackets, Eclipse, Atom, Visual Studio, Notepad++, Atmel Studio 7.0
Databases:	SQL(MySQL), NoSQL(MongoDB)
Operating Systems:	Windows, Mac OS, Linux, Unix
Version Controls:	Git, SVN, Bit Bucket, GitHub
Languages:	C, C++, Python
Additional Skills:	Linux programming, Computer networking
Network Technologies	TCP/IP, LAN/WAN, DHCP, VPN, IPv4, IPv6

Work History

Software Engineer, Powercast Corporation– Pittsburgh, Pennsylvania, United States Jan 2018 – Present

- Working with a team of developers, designers, hardware engineers and testers for various wireless and RF products
- Participate in developing and testing web-based RF energy and wireless power systems
- Promoting improvements to the software system requirements and functional requirements
- Testing the applications using the test cases and fixing the bugs
- Developing websites and performing client-side validation using JavaScript and AngularJs
- Basic working knowledge in networking protocols and socket programming using TCP/IP, UDP, DNS server, DHCP
- Documenting complete software testing and developing process
- Creating/analyzing business and system requirements effecting changes to the web content and functionality
- Using Jasmine and Karma for unit tests/specs
- Developed, debugged and tested software for embedded systems using C Socket Programming
- Performed system, regression, certification and sanity testing for client/server applications
- Involved in creating grunt tasks for increased developer productivity.
- Closely working with product managers and customers to address the software issues and ensure feature/bug fixes are shippable by sprint end

Graduate Assistant, Gannon University – Erie, Pennsylvania, United States Dec 2016 – May2017

- Refactored academic record tables and other student applications.
- Performed specification, coding, testing and documenting in the areas of development and maintenance
- Developed jQuery widget-based pages in university website as part of site enhancement.
- Implemented agile methodology throughout the project development lifecycle.
- Built reusable code and libraries for future use.
- Developed custom components with HTML5, CSS3 and Angular.
- Thorough understanding of the differences and bugs in various browsers and browser versions.
- Converted data from database into JSON or XML format files and retrieve useful information using AJAX calls to display them on the browser.

Teaching Assistant, Gannon University – Erie, Pennsylvania, United States Aug 2015 – June 2016

- Responsible for conducting practical sessions for students in developing software applications
- Managed version control, story and defect tracking using GIT and Atlassian Bit bucket.
- Mostly used command line for git interactions and faster productivity but occasionally made use of git GUI sourcetree for resolving conflicts etc.
- Worked on image optimization as the project is based on lot of images.
- Involved in writing application level RESTful Web Services to interact with APIs using AJAX and Angular's \$http.
- Optimized websites towards a responsive format using Bootstrap and Media Queries.
- Maintained schedules and assured on-time delivery of content.
- Maintained unit tests with Jasmine framework and ensured test coverage of more than 90%.

- Programmed and debugged in HTML, CSS, and PHP
- Created and executed small programming projects
- Created Windows Installer programmer for simplified setup of software
- Solid experience in implementing automation test scripts, record scripts using QTP and UFT.
- Involved in the Sprint planning for user stories, time estimations, development of iterative and detailed project management plans and schedules using Agile-SCRUM methodology.
- Testing the security of the hosting infrastructure and testing of web application.
- Led a 5-member team for development and enhancement of an enterprise application
- Performed requirement gathering and analysis by collaborating with consultants and prepared the functional specific documents for the application
- Translated business requirements into business process flow diagrams, use case diagrams and sequence diagrams using UML methodologies to facilitate the development team.

Education

Master of Science: Computer Engineering

May 2017

Gannon University –

- Recipient of Graduate Assistant Award
- Coursework in programming, Data structures and Computer Architecture.

Bachelor of Science: Electronics and Communications

May 2015

Jawaharlal Nehru Technology University–

- Seminar in International Conference on Sixth Technology
- Linux and Unix training