

Bhargavi Mavintop

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Objective

Seeking Internship opportunities starting from May 2019 in an organization where I can contribute my skills in the field of Computer Science to develop innovative products.

Education

Master of Science in Software Engineering Jan 2018 - Dec 2019

George Mason University – Fairfax, VA

GPA: 3.81/4.0

Relevant Courses: Data Structures, Software Modelling & Architecture, Project Management, Software Testing, Distributed Software Engineering, E-Commerce Fundamentals, OO Specification & Construction, UI Design & Development, Secure Programming.

Bachelor of Engineering in Computer Science

Sep 2009 - Jun 2013

VTU – Karnataka, India

GPA: 3.84/4.0

Relevant Courses: Programming in C, C++ and Java, Distributed Networks, Logic Design, Data Structures, OO programming.

Technical Skills

Programming Languages: JAVA, C, Python, SQL, Node.js, Shell Scripting, ColdFusion 9/10/11/CF 2016

Web Technologies: CFML, HTML, JavaScript, Bootstrap, jQuery, AJAX, JSON, XML

Tools: Git, Jira, Microsoft TFS, Tableau, ELK stack, Power BI, Jenkins, Docker, Magic Draw.

Cloud Services: Amazon Web Services

Software Development Methodologies: Agile – Scrum, Kanban.

Professional Experience

Graduate Teaching Assistant – George Mason University

May 2018 – Current

Teaching assistant for Software Engineering, Computing and Web Development.

- Received an award for Outstanding Teaching Assistant in Spring 2019.

Instructor for Cyber Security for Pre-College students – George Mason University

May 2018 – Aug 2018

Teaching Pre-College students concepts of Cyber Security and Hands on lab on application and network-based attacks.

Software Engineer – Tata Consultancy Services, India

Mar 2017 - Jul 2017

VMWare e-Learning and Certifications

- Worked on the migration of the entire application from ColdFusion 9 to ColdFusion 2016 with latest features and the UI redesign, scheduler cron jobs for daily notification and train the team on architecture of the application.
- Performed peer code reviews, unit testing, system testing and release coordination to production

Senior Software Engineer – EVRY India

Aug 2013 – Oct 2016

Position Manager – HealthcareSource, MA, USA

- Designed and implemented new features using google API's in the job portal web application, built CI-CD pipeline using Jenkins.
- Worked on complete UI re-design using responsive Bootstrap framework and performance tuning on database.
- Monitored error logs on daily basis, coordinate with release activities, support in resolving post release issues.
- Received an award for excellent contribution for the product's first Mobile Apply solution, building RAD PDF service, integrating Google Drive, OneDrive, LinkedIn and Dropbox API's to enhance the user experience in Nov 2015.

Projects

Monopoly – Secure Programming

Spring 2018

- Implemented Monopoly game using Node.js, JavaScript, HTML and Bootstrap with user data stored in Amazon RDS.
- Security considerations – SSL, Amazon Secret Manager and bcrypt. Dynamic and Static code analysis tools like OWASP ZAP and flawfinder were used to run against the code. Application was built to counter OWASP top 10 vulnerabilities.

File sharing system using Java sockets and a variation using RMI

Fall 2018

- Built one server to many clients File sharing system that had an ability to upload, download files and list, create and remove directory. The application was built to resume downloading if the network was interrupted.
- Handled simultaneous upload/downloads from multiple clients. All these functionalities were also built using Java RMI.

Job Portal in Cloud

Fall 2018

- Created and configured VPC, EC2 and security group to host job portal application and used CloudWatch to monitor and analyse the system metrics and application logs.
- Configured CloudTrail and SNS for alerting.

Near Space Atmospheric and Earth Observation System

Spring 2018

- Developed software requirements, architecture, and designed a model for a Near Space Atmospheric and Earth Observation System for both flight and ground segment.
- The HAB payload mission will constantly collect photographs, atmospheric and position data from launch through landing and communicate through a Radio to the ground segment and telecast the received data.