

ANAMIKA RANI BIR

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SUMMARY: Graduate student with 3 years of professional experience in Software Engineering and Cloud Engineering Domain. Full Stack developer with hands on experience on testing. Enthusiastic about learning new technologies. Looking for Software Engineer roles.

EDUCATION:

University of Southern California, Los Angeles, CA
M.S., Computer Science, CGPA: 3.67

May 2017

Visvesvaraya Technological University, India
B.E., Computer Science, Percentage: 84.7%

Jun 2013

TECHNICAL SKILLS:

Web Development: PHP, Python, HTML/HTML5, CSS, Bootstrap, AJAX, JQuery, ASP.Net, Node.js, REST, JSP, JSON, XML, AngularJS, Ruby
Other Languages: Java [Frameworks: Spring, Hibernate], C#, C++, C, Shell scripting, SQL
OS and Platform: Windows, DOS, UNIX, Linux, AWS (Amazon Web Services), Docker, Puppet
Software Expertise: Git, Bit bucket, Microsoft Office, Oracle, Visual Studio, SQL Management Studio

PROFESSIONAL EXPERIENCE:

Full Stack Developer Intern, Information Technology, **ZOOM ERRANDS**, Los Angeles, California Jan 2017 - Present

- Manage and assist a team of 2 interns to add functionalities to the existing backend APIs (RoR) and debug admin management portal issues [ActiveAdmin framework/ Ruby]. Created custom Sign-up portals for new customer [PHP]. Working on integrating client system to Zoom Errand's provider system for automating the delivery process.
- Lead visual design and development of responsive websites for Zoom Errand's Corporate Clients to promote company visibility and customer support (utilizing Bootstrap, AngularJS). Performed validation of completed sites including SEO optimization.

Software Engineer Intern, Information Technology, **THE WINE GROUP**, Tracy, California Jun 2016 - Aug 2016

- Added enhancements to employee portal by designing and integrating Web Parts controls (ASP.Net / C# / MVC) to retrieve SharePoint User Profile information and associated projects. Devised an Azure AD application (JavaScript / Node.JS) to authenticate Microsoft Outlook user (OAuth 2.0) to retrieve user emails using Microsoft Graph and Outlook REST API.
- Created an enterprise app for processing customer messages using Twilio API to generate leads in Microsoft CRM system and automated report transmission. Enhanced the existing CRM applications by adding utilities to access and modify database via Web Interface.

Research Assistant, Computational Biology and Bioinformatics Group, **USC**, Los Angeles, California Feb 2016 - May 2016

- Designed web interface of a healthcare app that performs Genomic analysis of data from DNA of cancer patients (Agile).
- Designed overall architecture of the product by setting up AWS infrastructure and Docker.[JSP, HTML/CSS/JavaScript, MySQL, Linux, Tomcat]

Associate Systems Engineer, Cloud Operations, **PEGASYSTEMS INC.** Bangalore, India Jul 2013 - Jun 2015

- Developed automation scripts and altered existing scripts to automate recurrent processes to increase efficiency and reduce manual efforts by 30% for cloud maintenance and developed custom PRPC activities (JAVA) as per client specifications.
- Constructed detailed Standard Operating Procedures [Procedures for deployment, configuration, management of PRPC systems, Installation of security certificates and custom frameworks] for the customer facing cloud operations team with a focus on improving incident response time to reduce production cost. Performed troubleshooting of high impact technical issues in critical situations. Upgraded server resources. Managed over 1500 cloud servers using AWS console and Puppet.

Software Engineer Intern, Gamification of Business Apps, **COGNIZANT TECHNOLOGY SOLUTIONS**, Bangalore, India Feb 2013- Apr 2013

- Developed and debugged "One Support" App (HTML/C#) - The app provided common platform for employees to raise repair requests for hardware assets and track its progress.
- Gamified the web interface. Tier integration implemented using JQuery and AJAX. DB access using Oracle Procedure calls.

PROJECTS:

GAME BOT (AI Agent/Java) Oct 2016

Created an artificially intelligent Game Bot that can play a game (STAKE or RAID) by taking in the current state of the "Board" as input and anticipate the best next move using mini-max algorithm and alpha beta pruning.

MINIONS (Python/Flask/NoSQL) Sep 2016 - Dec 2016

Assisted as Backend Developer on "Minions: Gamification of Loyalty Systems" based on an intelligent virtual pet and gameplay mechanics to facilitate bond between customers and brands.

WEB CRAWLER (JAVA) and WEB SEARCH ENGINE (HTML/CSS/PHP/PYTHON/APACHE TIKA/SOLR) Mar 2016 - Apr 2016

Designed a bot to crawl a given website and downloads resources during crawling. Built web search engine by indexing all the resources and computing page ranks of the resources to returns the most valid top ten pages for any given query. Incorporated autocomplete and automatic spell correct features.

WEATHER FORECAST MOBILE APP (ANDROID) & REPONSIVE WEBPAGE (HTML5/CSS/BOOTSTRAP/JAVASCRIPT/PHP) Dec 2015

Created an android app and a Responsive Webpage for retrieving current weather conditions and weather predictions based on entered location using different APIs. The app included weather map and utilized Facebook API to share the weather reports on Facebook.