Prasad Akmar

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Summary: Passionate Software Engineer with 5+ years of experience in designing, development and supporting web applications.

LINKS

Github:// **pakmar1**
LinkedIn:// **prasad-akmar**

EDUCATION

UNIVERSITY OF MARYLAND BALTIMORE COUNTY

MS in Computer Science
May 2019 | Baltimore, MD

UNIVERSITY OF PUNE

BE in Computer Engg.
May 2012 | Pune, India

SKILLS

PROGRAMMING

Advanced:
• JavaScript • Java • C# • HTML
Proficient:
• Python • C/C++ • Shell
Familiar:
• PHP • MATLAB • CSS

TECHNOLOGIES

Libraries:
• NodeJS • Bootstrap • React
• D3 • JQuery • volley
Databases:
• Oracle PL/SQL • BigQuery • Firebase
Cloud Platofrms:
• Azure • GCP
Architectures:
• MVC • MVVM • Microservice
• Kubernetes • Docker

COURSEWORK

GRADUATE

Semantic Web
Mobile Computing
Quantum Computation
Introduction to Data Science
Service Oriented Computing
Principles of Database Systems
Scripting Languages *(Graduate Asst)*
Cryptology *(Graduate Asst)*

UNDERGRADUATE

Operating Systems
Computer Architecture
Design & Analysis of Algorithms
Artificial Intelligence + Practicum

EXPERIENCE

WALMART INC | Software Engineer 2

May 2019 – Present | Bentonville, AR
- Design, develop & support DTMF and conversational IVR systems, and services for Walmart eComm, stores, Sam's Club, and Walmart internal services.
- Integrated various CRM platforms to increase agent efficiency by upto 50%.
- Successfully implemented Google Contact Center AI conversational IVR.
- Increased accuracy of the machine learning model by upto 40% in interactive voice response system using BigQuery reporting.
- Reduced cost, Increased reliability of the back-end services by atleast 30% by using containerization & Kubernetes.

MOBILE, PERVASIVE & SENSOR SYSTEMS LAB | Researcher

Feb 2018 – Feb 2019 | Baltimore, MD
- Devised an algorithm to identify PLMs in patients with sleep disorders using IMU sensor data.
- Built an Android app to track the history of patient's sensor gathered information.

IVY MORTGAGE INC | Software Engineer, Intern

Sept 2018 - Dec 2018 | Fulton, MD
- Undertook complete ownership of a web application based on MVC framework for a Home Mortgage Provider system.
- Integrated DocuSign, Payments APIs, Google SSO.

USABAL SOLUTIONS | Computer Developer, Intern

Jun 2018 - Aug 2018 | Columbia, MD
- Designed and developed a webapp with corss-platform UI in MVC framework.
- Implemented micro services architecture to increase reliability in web services in a monolithic application.

PROJECTS

RESTEAZE | Sept 2018 - Feb 2019

- Built a system to detect sleep apnea with help of leg movements
- Worked on determining periodic leg movements using IMU sensor data to determine sleep disorders
  Technoglogies: Python, MATLAB

IMAGINATION STATION | Mar 2018 - May 2018

- Built WebAPI using microservice architecture to expose a neural artistic style transform algorithm.
- Developed an android application to consume the WebAPI which can convert a doodle into art using artistic style transfer algorithm on cloud.
  Technoglogies: Java, JavaScript, Python-Flask, Torch, AWS, Firebase

SCALABLE TRANSACTION BANKSERVER | Feb 2017 - Apr 2017

- Used concepts of sockets, pthreads, locks for implementation.
- Designed the thread pool, LRU buffer and shared access logging for every transaction to enhance failure detection.
  Technoglogies: C++