Chicago, IL

A S H W A N I   K H E M A N I

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EDUCATION

M.S in Computer Science **University of Illinois at Chicago** **May 2019(Expected)**
- Cumulative CGPA: 4.0; **Coursework**: Advanced Topics in Software Engineering, Cloud Computing

B.Tech. in Computer Science **National Institute of Technology, Bhopal** **May 2014**
- Cumulative CGPA: 3.2; **Coursework:** Data Structures, Design and Analysis of Algorithms

LANGUAGES AND TECHNOLOGIES
- Java, Python, C
- Apache Hadoop, Apache Spark, Kubernetes, Drupal CMS, Docker, Jenkins, Amazon Web Services, Microsoft Azure, MySQL, Oracle, Oracle ADF, Hibernate.

EXPERIENCE

Enterprise Architect Intern **Blue Cross Blue Shield Association, Chicago** **May 2018-Aug 2018**
- Developed cloud migration plan, setting up cloud computing infrastructure for various projects including sandbox, Office 365, SharePoint and Project Server migration to cloud
- Performed technical analysis related to cloud infrastructure, Application Portfolio and updated/created the Architecture deliverables
- Coordinated technical activities in setting up the environment, security in public cloud for various projects including sandbox, Office 365, SharePoint and Project Server migration to cloud
- Assisted in setting up the Blockchain environment in cloud for BCBSA & plans and implemented selected use case

Graduate Teaching Assistant University of Illinois at Chicago **Aug 2017 – May 2018**
- Teaching Assistant for the Machine Organization course taken by more than 200 students which covered machine language and architecture
- Created and grade assignments, answered questions posted by students on Piazza and held office hours

Technical Analyst **Oracle Financial Services Software, India** **Aug 2014 – Jun 2017**
- Developed **Oracle Banking Platform** product; a core banking solution and involved in major product releases for client headquartered in Australia
- Assisted in transition to replace bank old legacy system and reduce processing times by as much as 90%
- Provided innovative solutions to critical customer problems using problem solving and contingency management
- Conducted performance analysis of OBP product on various platforms and evaluation of OBP integration with other Oracle products to make the product more efficient

PROJECTS
- **Parallelization of software testing using Hadoop Map-Reduce model and OctaPi Cluster;** *Java, Hadoop, Docker, K8s*
  Built and designed an OctaPi cloud cluster of **Raspberry PI** devices to run a **Hadoop** map/reduce application to make software testing process parallel and efficient
  Automated deploying, scaling, and operating application containers on Raspberry Pi using **Kubernetes**
- **Evaluation of stock investment decisions using Monte-Carlo simulation and OctaPi cloud;** *Java, Spark, Docker, K8s*
  Performed Monte-Carlo simulation for evaluating stock purchase decisions that runs on **Spark** and deployed on private **OctaPi** cloud
- **An Empirical Investigation into Large-Scale Devops Pipeline programs;** *Java, Jenkins, GitHub*
  Investigated many Devops **pipeline** programs and obtained statistical data that describe content and patterns in **Devops** pipelines.
- **Static Code Analyzer to find most common bugs in Open Source Projects;** *Python, GitHub, Understand*
  Obtained information about program entities that were modified because of fixes to specific bugs/issues and found useful pattern amongst them using static code analysis tool like **Understand**
- **DevOps Orchestration to simulate end to end DevOps workflow at an enterprise level;** *Java, Jenkins, Gitlab, GitHub*
  Created a DevOps application workflow for automatically building and analyzing software applications statically as part of the workflow to obtain information about relationships among components of these applications.

ADDITIONAL EXPERIENCE AND AWARDS
- **Oracle Financial Services Software:** Employee Recognition Awards: appreciation of excellent contribution to Oracle OBP product team: We-Applaud Award, I-Appreciate Award
- **Hackathons**: Intel AI Dev Camp Chicago, U.S. Soccer Hackathon 2018