

## PRAMOD MEKAPOTHULA

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### EDUCATION

<b>Masters in Information Technology</b>	<b>Arizona State University, AZ</b>	<b>GPA 4.00</b>	<b>Dec 2018</b>
<b>Bachelor of Technology in Computer Science &amp; Engineering</b>	<b>National Institute of Technology, Surat</b>	<b>GPA 3.50</b>	<b>May 2014</b>

### TECHNICAL SKILLS

<b>Languages</b>	: JAVA, PYTHON, SQL, PLSQL C, C++, PowerShell, Shell/ Bash Script, Ruby.
<b>Web Technologies</b>	: HTML, XML, JavaScript, CSS, PHP, SOAP, Rest, JSON, Bootstrap, Django.
<b>Databases</b>	: MSSQL, MySQL, MongoDB
<b>Other Tools and Methodologies</b>	: Docker, Chef, VMware, Jenkins, GIT, SVN, Spark, Ansible, SonarQube, Bitbucket, SQL Developer, Wire shark, GCP, Agile, MS Office, Linux server Administration, Maven.
<b>Platforms and OS</b>	: Linux (Ubuntu /CentOS), Windows, AWS, VMWare, VSphere, VMWare ESXi.

### RELATED COURSEWORK

Cloud Computing	Distributed Systems	Systems Administration of UNIX
Advanced SQL Techniques	Software Engineering	Analyzing Big Data

### PROFESSIONAL EXPERIENCE

- Software Engineering Intern, Edgenuity Inc., Scottsdale, Arizona, USA** **Aug 2017 – Present**
- Worked as Cloud & Microservices programmer with AWS, Serverless framework and Docker.
  - Developed AWS Lambda functions and API gateway for migrating existing Translation Caching service to AWS.
  - Refactored data model to use single DynamoDB table instead of multiple tables in previous MongoDB implementation.
  - Developed pipeline for Serverless application (SAM) using AWS CodePipeline, AWS CodeBuild and CloudFormation.
- System Administrator, Arizona State University, Tempe, Arizona, USA** **Feb 2017 – Jul 2017**
- Developed Ansible scripts for end to end infrastructure automation.
  - Designing, deploying, configuring, monitoring and maintaining infrastructure on VMware.
  - Developed a Web portal to store inventory information and manage scheduled tasks status.
- Software Engineer, Unisys Corporation, Bangalore, India** **Jul-2014 - Dec-2016**
- Worked as Cloud & DevOps Engineer. Developed automation scripts using Chef, PowerShell, VMware, Shell Scripting.
  - Reduced network setup time by 50% from 6 hours to 3 hours.
  - Developed Webservices using REST that are consumed by Stealth CSA portal.
  - Followed Test Driven Development (TDD) and Scrum methodologies, contributed to the product design.

### PROJECTS

- Translation Caching Service** **Technologies: Amazon Web Services, Docker, C#, JavaScript.**
- Developed Serverless Application for Translation Caching Service using AWS Lambda, API Gateway and DynamoDB.
  - Built Continuous Integration pipeline using AWS CodePipeline, CodeBuild and AWS CLI.
- Customer Simulation and Automation** **Technologies: Java, Chef, PowerShell, Python, VMware**
- Developed silent deployment scripts to spin up customer environment in R &D lab using Chef, PowerShell and Python.
  - Developed web portal for testing team which enables customer specific Stealth software deployment using Java, JSP, Html, CSS.
- Meetup Portal for ASU** **Technologies: Java, JDBC, SQL, HTML, CSS**
- Developed fully functional portal for knowledge sharing between students and faculty using Java, JDBC, MSSQL server.
  - Implemented SQL query optimization techniques and improved database access speed by 30%.
- PyTranslator** **Technologies: Python, C#, Test Scripting Language (TSL)**
- Developed translator to convert test scripting language scripts to C# using Python regex module.
  - Reduced automation test suite development time by 50%.
- Continuous Integration Pipeline for ASU meetup portal** **Technologies: Java, Maven, Jenkins, JaCoCo, SonarQube**
- Developed CI pipeline following DevOps principles covering the stages code quality, code coverage. Jenkins build is configured based on GitHub repository commit.

### AWARDS AND PATENTS

- Filed for patent US 15/668,919 (Elastic Container Management System) and received award from Unisys Corporation.