Rangasai Kumbhashi Raghavendra

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TECHNICAL SKILLS

Platforms: Power Platform, Azure
Languages: Power Fx, Java, Python, C#, Javascript, PowerShell, Bash, SQL, HTML and CSS
Frameworks: jQuery, React, Node.js, Express.js, PyTorch, Flask, Bootstrap, Kendo UI
Developer Tools: Git, SVN, Fiddler, Postman
Databases: SQL Server, MongoDB, SharePoint, Dataverse, MS Excel
Testing Solutions: Cypress, Jest, Selenium
Project Management: Jira, Azure DevOps, Notion

EXPERIENCE

Senior Principal Infrastructure Engineer   November 2022 – August 2024
Mphasis (Client: UCB Bio-Pharma)   *Bengaluru, Karnataka, India*
- Contributed towards cutting costs for the organization by replacing 3rd party applications like UDM Ranger and Anywhere365, with in-house applications to manage phone numbers and contact centers.
- Developed convenient access solutions to Dataverse tables from Power BI using Service Principals instead of User Accounts.
- Developed a bot to be used on MS Teams, using Power Virtual Agents, Power Automate, and Azure Functions with C# to automate ticket management in the service management portal.
- Designed Power BI reports for analytics related to Microsoft HoloLens devices in the organization for statistics related to non-compliance, session duration, and others.
- Built a pipeline to push notifications about Service Health from M365 Admin Center to MS Teams channels, using Power Automate and Azure AD Application.
- Architected solution to fetch data from dataverse in Power BI without having to use user accounts, by using Web API-based connection and a Service Principal through an Azure AD Application, to enforce tighter security.
- Developed various canvas applications and flows involving SharePoint Online to handle inventories related to contact centers, meeting rooms, recommender questionnaires, and others, thereby reducing the cost to the organization.
- Managed model-driven applications for the changes in configuration for Power Pages.
- Managed a custom UI component (PCF) in Typescript for dragging and dropping tiles inside canvas applications.
- Supported activities related to the establishment and recurrence of Power Platform Governance in the organization.

Associate - Projects   October 2021 – October 2022
Cognizant (Client: Bayer Crop Science)   *Bengaluru, Karnataka, India*
- Developed an API using C# to extract the location coordinates of an image and hosted it on Azure App Service, to be used with Power Automate and Power Apps for an application to be used for on-site agricultural surveys.
- Developed complex questionnaires for seed treatments using Canvas Apps and Power Automate.
- Migrated applications from the Nintex ecosystem to Microsoft Power Platform using Canvas Apps.
- Developed Power Automate flows for data processing, and automation of tasks.
- Designed and Generated Power BI reports using datasets from Dataverse and SharePoint, for non-premium users to view data inside premium Power Apps applications.
- Worked on ETL Pipelines using Dataverse Dataflows for transferring dataverse data from one environment to another.

Information Technology Analyst   August 2018 – September 2021
NTT Data (Client: Tokio Marine Kiln)   *Bengaluru, Karnataka, India*
- Built an application on SharePoint 2016 using Bootstrap-CSS and ReactJS to track the records of courses completed by the employees.
- Integrated SharePoint On-Premise applications with MuleSoft using REST API and JSOM, through JavaScript and C#.
- Optimized and Enhanced existing Server-Side and Client-Side applications in JavaScript for SharePoint 2016.
- Automated Deployment Processes and Hotfixes using PowerShell Scripts.
- Enhanced and Maintained ASP.Net applications related to Insurance Task Management, Policy Management and Claims Management involving frontend with Kendo UI and jQuery, and backend with C# on SharePoint 2016.
- Developed InfoPath forms and Designer workflows using SharePoint Designer 2010 and 2013.
- Developed PowerApps forms for list pages on SharePoint Online.

Personal Projects

Inventory Management | *React.JS, Express.JS, Node.JS, MongoDB, Heroku*
- Full Stack Web application to search and manage the catalogue of items, built involving REST API

QnA Bot | *PyTorch*
- Built a Question-Answering Bot using BERT model, trained on the SQuAD Dataset

Twitter Sentiment Prediction | *PyTorch*
- Performed Sentiment Analysis using double-layer LSTM on dataset containing tweets to predict the general sentiment

Construction Assets Object Detection | *PyTorch*
- Built two separate models using Darknet-53 and ResNext 101 32*8d respectively, to detect hard hats, boots, masks and vests used in construction sites and compared the performances of the models

Sumnist | *PyTorch*
- Built a Convolutional Neural Network Architecture to predict the result of addition of a single digit to images from the MNIST Dataset

Education

Stevens Institute of Technology   Hoboken, New Jersey, United States
Masters in Computer Science   *August 2024 – Current*

KSSEM (affiliated to Visvesvaraya Technological University)   Bengaluru, Karnataka, India
Bachelor of Engineering in Electronics and Communication   *August 2014 – June 2018*

Sri Bhagawan Mahaveer Jain College   Bengaluru, Karnataka, India
Higher Secondary Education: Pre-University   *April 2012 – March 2014*

Vijaya Bharathi Vidyalaya High School   Bengaluru, Karnataka, India
Secondary Education: High School   *April 2011 – March 2012*

Certifications

- Microsoft Certified: Software Development Fundamentals (MTA 98-361)

- Microsoft Certified: Azure Fundamentals (AZ-900)

- Microsoft Certified: Azure Data Fundamentals (DP-900)

- Microsoft Certified: Azure AI Fundamentals (AI-900)

- Microsoft Certified: Power Platform Fundamentals (PL-900)

- University of Helsinki - Full Stack Open

- Jovian - Deep Learning with PyTorch