Manthan **Keim**

SEEKING FULL-TIME POSITION IN SOFTWARE AND AUTOMATION ENGINEERING ROLES. A SELF-DIRECTED PROFESSIONAL WITH 2+ YEARS OF EXPERIENCE AND A PROVEN TRACK RECORD OF MAKING SIGNIFICANT CONTRIBUTIONS TO CHALLENGING AND COMPLEX OPEN-SOURCE PROJECTS.

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Experience

Zotec Partners   *Carmel, IN*
MANAGED FILE TRANSFER ENGINEER I   *Jan. 2025 - Present*

- Spearheaded automation of manual file transfer processes, increasing operational efficiency and reducing errors in file movement.
- Set up and maintained HL7 connections using Mirth Connect to support healthcare data exchange.
- Conducted in-depth file analysis across multiple formats (HL7, EDI X12, Excel, image files), ensuring data integrity and completeness.

Purdue University   *West Lafayette, IN*
RESEARCH FELLOW, RCODI   *Aug. 2021 - Dec. 2024*

- Studying cognition (coding behavior, trace data) of 500+ participants on IronHacks.com to optimize the hacking platform.
- Deploying result metric, ranking, and customized tutorial using ReactJS and Firebase serverless infrastructure.
- Designing a private note feature for the RCODI developers to improve communication via real-time messages, forum, and collaboration.
- Collecting Jupyter error logs and analyzing them for Python bugs.

Zotec Partners   *Carmel, IN*
FILE MANAGEMENT INTERN   *Jun. 2022 - Aug. 2022*

- Resolved 94 servicehub tickets which included analyzing HL7 files, pipeline logs, patient payment information and client credentials.
- Created and edited 1000+ MOVEit tasks which transfers files internally in the organization.
- Overcame a overnight failure of a process by writing XML scripts to speed up the process, transitioned from MOVEit to GoAnywhere.

Education

Purdue University   *West Lafayette, IN*
M.S. IN TECHNOLOGY, LEADERSHIP & INNOVATION   *Aug. 2021 - Dec 2024*

- Research Areas: Software Engineering, Digital Innovation, and Open Source projects
- Coursework: Natural Language Processing, Data Mining, Artificial Intelligence, Foundation of Innovation Studies, Human Computer Interaction, Application Visual Analytics

Guru Gobind Singh Indraprastha University   *Delhi, India*
B.TECH. IN COMPUTER SCIENCE   *Aug. 2017 - May 2021*

- Achievements: Two times Hackathon winner and Founded Hack Club to teach students
- Coursework: Data Structures, Algorithms, Computer Networks, Computer Graphics, Software Engineering, Theory of Computation, Computer Architecture, OOP with C++, Computer Design

Skills & Open Source Contribution

Programming   Python, C++, Kubernetes, JavaScript, Git, Bash, Docker, Web development, API development, Test-driven development, Continuous Integration, Web Scraping , Selenium, Djanjo, Flask, SQL

Open Source   Coala, Microsoft, OpenCV, IronHacks, RCODI

Personal Projects

Social Media Behaviour Analysis ⬈
JAVASCRIPT, PYTHON, SELENIUM, HTML, CSS   *Jan.2021*

- Analyzed emotion of content present on various social media like Youtube, Twitter, Instagram.
- Visualized the findings in different type of charts and flag if something is unusual.
- Application in detecting fake news and hate speech/bully detection on social media.

Social Digger ⬈
PYTHON, FLASK, PICKLE, NUMPY, FACE RECOGNITION   *Mar.2019*

- Web App developed on Flask framework to search people on social media platforms viz. Facebook, LinkedIn, and Twitter through their name and professional photograph.

Awards & Position of Responsibility

ACM Student Member, Two times KubeCon Awardee '23 & '21 and Open Source Summit Scholarship, Microsoft Student Partner '21, Founder Hack Club, TEDx Organizer, 1st runner up - GirlScript India Hackathon, Microsoft Smart India Hackathon