



Rahul Raj

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ABOUT ME

Dedicated Software Engineer with over 4 years of experience specializing in frontend and backend development, data engineering, and cloud computing. Proficient in Angular, TypeScript, Python, C++, and experienced in working with cross-functional teams. Proven ability to enhance system reliability and user experience. Committed to driving technological innovation in a challenging role.

WORK EXPERIENCE

1 DEC 2022 – CURRENT Munich, Germany

SOFTWARE ENGINEER NAVVIS GMBH

- Serving as a key member of MAP Team Squad A, focusing on the development and maintenance of the mobile mapping devices software, a cutting-edge solution in the field of TLS mapping.
- Enhancing software functionality using Angular, TypeScript, Python, C++, and Electron.
- Collaborating with UI/UX team to implement new features and resolve issues for a seamless user experience.
- Employed Cypress for integration testing and Angular for unit testing to ensure software reliability.
- Spearheading lag evaluation initiatives and migrating systems to Ubuntu 22.04 and ROS topics.
- Managing and maintaining a device manager web portal for internal users built with React, TypeScript, Vite, and Python.

NOV 2021 – OCT 2022 Karachi, Pakistan

SOFTWARE ENGINEER I (DATA & AI) CAREEM

- Enhanced Navigator, a data discovery tool, by adding a feature to display comprehensive data of Careem's microservices deployed on Kubernetes.
- Added an Airflow DAG to Navigator for daily data updates, improving accuracy and reliability.
- Contributed to Careem Insights, adding features for database shortlisting and multi-table joins, and managed its CI/CD using Jenkins and Kubernetes.
- Implemented service monitoring metrics on Argus and contributed to open-source improvements on Superset.

NOV 2020 – NOV 2021 Karachi, Pakistan

JR. FULL STACK ENGINEER BRANDVERSE

- Contributed to the development and maintenance of Brandverse's automated photography and video solution, implementing new features and revamping the automated flow to improve efficiency and user experience.
- Played a key role in the development of Chikoo, an e-commerce solution, working on features such as WhatsApp ordering and voucher systems to enhance user experience and sales capabilities.
- Collaborated with cross-functional teams on both projects, utilizing technologies such as React, TypeScript, Node, MongoDB, Kubernetes, and Dgraph to develop scalable features using Google Cloud Platform.
- Demonstrated leadership skills by managing an outsourced project focused on developing the front-end of a new service on the Chikoo platform.

JUL 2019 – AUG 2019 Karachi, Pakistan

INSIGTS INTERN AFINITI

- Deployed LimeSurvey for the HR team using Docker, enhancing the team's data collection and analysis capabilities.
- Contributed to the MegaACD Project, enhancing my skills in React, Node.js, TypeScript, and PostgreSQL.
- Assisted in the development of the Authentication Module utilizing JSON Web Tokens (JWTs), improving my understanding of secure authentication processes.

EDUCATION AND TRAINING

31 JUL 2016 – 30 JUL 2020 Topi, Pakistan

BACHELOR OF SCIENCE IN COMPUTER SCIENCE Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

Address Tarbela Road, District Swabi, Khyber Pakhtunkhwa, Topi, 23640, Topi, Pakistan | **Website** <https://www.giki.edu.pk/>

Address 58-C Lane 13, Bukhari Commercial Area Phase 6, Defence Housing Authority, 75500, Karachi, Pakistan |

Website <https://www.beaconhouse.net/>

Address Shaheed-e-Millat Rd, Falcon Complex,, Karachi, 74350, Karachi, Pakistan | Website <https://thecityschool.edu.pk/>

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Technical Skills

Javascript, TypeScript | MongoDB, MySQL | ReactJS, AngularJS, Material UI, JavaScript, JQuery, SASS, HTML, CSS | Backend: NodeJS, Express, socket.io