Rasesh Kumar Rout

raseshrout@gmail.com | +91 9439344276 | https://raseshrout.dev | India

SKILLS

PROGRAMMING
Javascript, Typescript, C++, Python, Java

WEB
React, Node, Angular, SocketIO
HTML, CSS

DATABASE
Cassandra(NoSQL), MongoDB,
Oracle, AWS S3

TOOLS AND IDE
Visual Studio, Netbeans, MATLAB

LINKS

WEBSITE
https://www.raseshrout.dev

LINKEDIN
https://linkedin.com/in/raseshrout

GITHUB
https://github.com/ShaunFrost

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA
BACHELOR OF TECHNOLOGY
2012-2016
COURSEWORK
Data Structures and Algorithms
Database Management Systems
Compiler Design
Software Engineering
Computer Networks

PENNSYLVANIA STATE UNIVERSITY
2019-2021
COURSEWORK
Algorithm Analysis and Design
Operating System Design
Computer Vision
Compiler Construction
Pattern Recognition and Machine Learning

INTERESTS

Fullstack Development, Backend Development, Software Development

EXPERIENCE

FULL STACK ENGINEER | HOMESOME
SEP 2021 – AUG 2022 | San Francisco, CA
- Enabled $\sim$ 25 underrepresented grocery stores with zero to low online presence to provide their customers with new shopping experience.
- Developed new features for shopping platform including chat-based communication that enabled stores to connect with their customers.
- Provided on-call support for root cause analysis of issues impacting customer revenue.

GRADUATE TEACHING ASSISTANT | PENN STATE
AUG 2020 – MAY 2021 | University Park, PA
- Created assignments, graded exams and conducted recitation sessions for a section of $\sim$ 250 undergraduate students for Discrete Mathematics.

MEMBER OF TECHNICAL STAFF - II | VERIZON INDIA
NOV 2017 – JUL 2019 | Chennai, India
- Developed a rule based automation tool that converts a Weblogic application, based on pre-defined rules, into open source Wildfly compatible eliminating the costs of Weblogic server maintenance.
- Remodelled some critical customer facing systems in Cassandra (NoSQL) from relational Oracle Database in collaboration with various shareholder teams reducing SLAs of various functionalities in the Ordering system by $\sim$ 50%.
- Converted existing spring web applications into microservices to achieve dynamic scaling and faster release cycles.

SOFTWARE ENGINEER | VERIZON INDIA
JUL 2016 – OCT 2017 | Chennai, India
- Built a dashboard for representing average response times of various services used by critical client systems, eliminating the bulk email reports sent on hourly basis and providing an one stop solution for monitoring.

SOFTWARE DEVELOPMENT INTERN | MEBELKART TECHNOLOGIES
MAY 2015 – JUL 2015 | Bangalore, India
- Developed an e-commerce android application including User Interfaces and APIs for a furniture retail start-up.

PROJECTS

NEPTUNE
Developed an offline cross-platform desktop application that helps manage side projects along with markdown and drawing board support. Stack: ElectronJS, React, Typescript, Tailwind

MULTIPLAYER WORDLE
Developed a multi player (1v1) version of Wordle game(client-server). Stack: React, Socket IO, Node JS, Express

CHATTERBOX
One-to-one chat application for real time chat built using Firebase Realtime DB and Auth. Stack: React, Typescript, Firebase

AUGMENTED REALITY(AR) VIEWER
Developed an AR viewer that displays artificial objects overlaid on images of a real 3D scene using point cloud generated by COLMAP. Stack: MATLAB, COLMAP

NEKO CHAN UI
A lightweight reusable components library for React/Typescript application. Stack: Typescript, React, Node

RESUME HELPER
Developed a simple model to help find keywords related to the job description using Spacy library and building a job scrapper for Linkedin. Stack: Python, NLP, SpaCY

CREATE PROJECT SKELETON
A NPM library that helps scaffold empty react/typescript projects and other templates. No need to delete extra stuff. Stack: Node, NPM