

# AMAL RICHWIN K

Chennai, India

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## Education

**Anna University**

*B.E E.C.E*

**July. 2015 – July 2019**

*Chennai, TN*

## Experience

**Lead Software Engineer 1 (FullStack)**

**Jan 2023 – Present**

*Rapid Acceleration Partners*

*Chennai, TN*

- Engineered a browser automation copilot using chrome-debugger boosting product flow-developer efficiency by 80% in building flows in our product (RAPBot), optimizing browser-related process automation tasks through streamlined processes and reduced manual efforts.
- Designed and Developed a competitor intelligence platform for enterprise, boosting business processes by 70% with advanced part cross-referencing and matching capabilities, Sharpened decision-making and competitiveness.
- Designed a wizard-based training system for ML models of your product (RAPFlow), elevating user experience and simplifying model training, Improved overall user-friendliness and ease of use.
- Implemented a CI/CD pipeline and regression test suite for the product (RAPFlow), incorporating ML services using GitHub Actions, Slashed manual efforts, ensuring swift and seamless application rollout.
- Led, mentored and guided a team of 3 members in the Full-Stack (RAPFlow) Team and contributed to the hiring process by actively participating in recruitment activities and organized engaging hackathon to assess and attract top talent for the company.

**Senior Full-Stack Engineer**

**Feb 2022 – Jan 2023**

*Rapid Acceleration Partners*

*Chennai, TN*

- Worked on transforming our product (RAPFlow) from vertical to horizontal scalability, leveraging asynchronous execution through a message queue, Engineered a high-performance solution, enhancing our platform's capabilities.
- Simplified product (RAPFlow) installation with a portable deployment, reducing installation complexity by 90% for a smoother user experience and containerized non-containerized services, streamlining deployment and enhancing scalability for improved system efficiency.
- Engineered a AI model and ML solution's shipment feature in our product (RAPFlow), facilitating seamless transfer between product (RAPFlow) instances, Significantly enhanced overall product efficiency, providing users a convenient way to import and export solutions effortlessly.

**Software Engineer 1 (Full-Stack)**

**Jan 2021 – Feb 2022**

*Bytone*

*Chennai, TN*

- Developed a cost-efficient matrimony app, optimizing image serving and reduced 70% of image serving cost in Firebase, and introduced push notifications and mobile-based OTP login.
- Provided valuable insights for matrimony app UI/UX design discussions.
- Designed real-time health monitoring web applications for mining, creating user dashboards for critical data display.
- Collaborated on a school stationery purchase web app, ensuring timely delivery with zero defects, and trained two junior team members.

## Certifications

**Full Stack MERN Bootcamp**

**Jan 2021**

*learncodeonline.in*

**React**

**Jan 2021**

*HackerRank*

**Advanced Styling with Responsive Design**

**Oct 2020**

*University of Michigan*

## Awards

**Employee of the Quarter**

**August 2023**

*Rapid Acceleration Partners*

## Technical Skills

- **Languages:** Typescript, JavaScript, Python, SQL, Golang
- **Technologies/Frameworks:** NodeJS, ReactJS, NextJS, GatsbyJS, Linux, React Native, Git, Flask, Go-Gin
- **Database:** MongoDB, Redis, Firestore, Postgresql, AWS DynamoDB
- **Containerization:** Docker, Docker-compose, Podman
- **Infrastructure Cloud:** AWS (EC2, S3, CloudWatch, CloudShell, EFS, VPC), MongoDB Atlas, Firebase, GCP(Compute Engine, Cloud Storage, OAuth ), Digital Ocean
- **Monitoring tools:** Elastic Stack, Grafana and cAdvisor
- **CI/CD:** Github Actions and Gitlab CI
- **Testing:** Mocha, Chai and Locust