

KAUTIL REDDY DESIREDDY

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EXPERIENCE

Flexport

Bellevue

Software Engineer II

05/01/2023 – Present

- Built and maintained high-throughput systems that **ingest 75k+ orders** from dozens of major e-commerce marketplaces, ensuring reliability and scalability.
- Designed and executed the seamless **onboarding of 187k+ users** from an acquired company, achieving seamless integration while bringing all accounts up to Flexport's security and access control standards.
- Redesigned and implemented the search indexing strategy, moving from Algolia to OpenSearch to provide **\$200k in savings** without compromising on performance.
- Led zero-downtime upgrades for 3,000+ shops, ensuring uninterrupted order flow during Flexport app transitions.
- Developed and maintained a React-based UI library used org-wide, streamlining front-end development and enabling consistent user experiences across teams.

Amazon.com

Remote

Software Dev Engineer I & II

08/17/2020 – 03/17/2023

- Designed and Developed IoT based solutions for optimizing Amazon's last mile and middle mile delivery. The flag ship product StowByLight is now a standard issue to every delivery station.
- Led the development efforts for the Interactive Sort Display system to build it from **ground up in 3months** and piloting it at 3 Fulfillment Centers. The product is heading for network wide deployment.
- Received the **Operation Excellence award** for my work on improving the stability of the software.
- Achieved a **consistent sub 100ms scan-to-light latency** through a combination of caching and network optimizations.
- **Improved rendering times by 30%** by moving the rendering to the server using Next.js' server side rendering features.
- Developed systems to constantly **monitor the health of 600+ PCs, 1200+ devices and 100k+ LEDs** and alarm the technicians within 5 minutes of an anomaly.
- Revamped the CI/CD process of the edge software. The resultant process **reduced commit to deployed-at-edge time by 60%** while also adding new features like automatic roll backs.

Amazon.com

Seattle, WA

Software Dev Engineer Intern

05/13/2019 – 08/03/2019

- Designed and implemented a tool that enables associates to plan the LED layout for the Delivery Stations. This tool then converts the layout into machine-readable form automatically. Thus, reducing the overall planning time in a launch from **a few days to a couple of hours**.

Tinkerix Technologies

Hyderabad, India

Software Dev Engineer

09/10/2016 – 08/01/2018

- Built an application in Java using the dropwizard framework that analyses user's mobile usage data and recommends the best operator plan that provides the best savings.
- Optimized DB structure and SQL Queries to **achieve a 3x faster** query times.
- Developed and Maintained the company's website <https://cell.fish/> and internal admin page.
- Replaced the existing system of manual parsing by creating a system of web scrapers and text parsers to obtain relevant information present in pieces of text scraped from the internet. This automation has **saved the company over 100k rupees** a month.

EDUCATION

The University of Texas at Dallas

Richardson, TX

MS Computer Science | GPA: 3.89

Aug. 2018 – May. 2020

GITAM University

Hyderabad, India

BTech Computer Science and Engineering | GPA: 3.9

Jun. 2012 – Mar. 2016

RELEVANT SKILLS

Languages: Java | TypeScript | JavaScript | Python | Kotlin | SQL | HTML/CSS

Frameworks/Technologies: Spring | Spring Boot | Node.js | React.js | Bootstrap | jQuery | Git

Cloud Services: AWS | IoT | CloudWatch | IAM | EC2 | S3 | CDK | CloudFormation