

# PAVAN KARTHIK RAMAPURAM

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## CAREER SUMMARY

Full-stack developer with 3.8+ years of experience building scalable web applications, enhancing UI/UX with React.js, and automating cloud workflows using AWS and PowerShell. Demonstrated success in reducing manual effort by 90%, improving system reliability, and optimizing development time. Collaborated with Agile teams to deliver high-impact solutions by leveraging full-stack expertise in end-to-end solutions.

## SKILLS

**Front-End:** React.js, JavaScript, Typescript, HTML5, CSS3, Responsive Design | **Back-End:** Java, C# | **Cloud/DevOps:** AWS (EC2, S3, Lambda), Azure, Docker | **Databases:** MySQL, MongoDB | **API & Tools:** Git, Github Actions, NPM, RESTful APIs, Postman, Swagger UI, VS Code, Eclipse IDE | **Methodologies:** Agile, Scrum, Test-Driven Development (TDD) | **Certifications:** AWS Certified Cloud Practitioner

## EDUCATION

University of North Texas, Denton, TX

Jan 2023 – Dec 2024

Master of Science in Data Science

## PROFESSIONAL EXPERIENCE

Frontend Engineer, KGS Technology Group Inc, Georgia, US

Mar 2025 - Current

- Developed dynamic and responsive user interfaces with **React.js**, **Redux** improving user engagement and reducing load times by 30%.
- Engineered and maintained scalable RESTful APIs using **Spring Boot** and **Java**, enabling seamless integration between microservices and frontend applications.
- Designed and optimized **MySQL** database schema, ensuring data integrity, performance tuning, and efficient query execution.
- Integrated **AWS services** such as **S3**, **EC2**, and **Lambda** for scalable storage, computing, and serverless functionalities, reducing infrastructure costs by 25%.
- Collaborated in **Agile/Scrum** teams, using **Git**, **JIRA**, and **CI/CD pipelines (GitHub Actions)** to deliver high-performance applications.

Senior Software Engineer, LTIMindtree, Bangalore, India

Dec 2021 – Dec 2022

- Implemented **React.js** dashboards to monitor cloud health and trigger alerts, improving visibility and saving **8** hours daily.
- Created reusable **React components** integrated with AWS APIs using **JavaScript**, reducing dev time for new UIs by **40%**.
- Automated system health checks with **PowerShell** and surfaced metrics via **REST APIs**, cutting manual effort by **90%**.
- Built backend services in **Java** to support real-time alerting and data sync with **AWS CloudWatch** and **Lambda**.
- Partnered with a **20-member Agile** team and used **Git**, **CI/CD**, and Confluence to deliver releases with **98%** uptime.

Senior Software Engineer, LTIMindtree, Bangalore, India

May 2021 – Dec 2021

- Designed and developed **React.js** logistics modules, integrating **AWS S3** to improve product tracking efficiency by **25%**.
- Revamped user interface using **React.js**, improving customer engagement by **15%** and mobile responsiveness.
- Engineered **Java microservices** to modularize product lifecycle features, streamlining backend integration by **40%**.
- Collaborated with **QA** to implement automated testing pipelines for **React.js** components, cutting bugs by **25%**.
- Optimized asset retrieval using **React.js** and **AWS S3**, enhancing dashboard load speed and user experience by **40%**.

Software Engineer, LTIMindtree, Bangalore, India

Jan 2020 – May 2021

- Established secure authentication flows using **AWS Cognito** and **React.js**, earning a **9.5/10** rating from product owners.
- Migrated legacy UI to **React.js**, reducing technical debt by **40%** and improving front-end maintainability.
- Enhanced product browsing and experience with **JavaScript** and **BigCommerce**, boosting B2B/B2C conversions by **22%**.
- Upgraded responsive, cross-device layouts with **HTML5**, **CSS3**, and **React.js**, increasing mobile retention by **18%**.
- Deployed code to **AWS EC2** staging environments and conducted peer reviews using **Git/GitHub** in **Agile** sprints.

Junior Engineer, LTIMindtree, Bangalore, India

May 2019 – Jan 2020

- Built a backend system for a bus ticket booking app using **Spring Boot Microservices**.
- Created and hosted **User, Ticket, and Location Services** separately and registered them with **Eureka Discovery Server**.
- Architected **Spring Boot microservices** for a bus ticket system, reducing query time by **30%** via optimized JPA/JDBC.
- Integrated **Swagger UI** for interactive API documentation and testing.
- Applied layered architecture to separate concerns across **controller**, **service**, and **DAO** layers.