

Athul Muralidharan

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(H1B sponsorship Required)

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Senior Software Engineer with 7 + years of experience specializing in full-stack development, with strong expertise in React/TypeScript frontend development and Java/Spring backend systems, currently leading technical initiatives at Oracle with a focus on performance optimization and accessibility

Work Experience

Oracle, Seattle, WA

Senior Software Engineer (SDE 3)

Jan '20 - Present

- **Led a team of six engineers**, designing forms in a config-driven UI within a micro-frontend architecture.
- Owned a11y accessibility compliant WCAG driven feature development in React in Typescript with ES6 +
- Designed the roadmap for a 10-person team managing forms and API requests.
- Awarded with **Spot Award by the director** good engineering practice and delivering forms engine
- Developed an AI powered Jira Assistant using LangChain & Pinecone for vector search, automating issue summarization and suggesting next steps via a Streamlit interface.
- Optimized build time from 45 to 10 mins with asynchronous processing based parallelization
- Reduced rendering time from 200ms to 100ms by reorganizing redux state updates and API calls
- **Saved 1200 Dev hours a year** with build-time asset hashing to prevent CDN caching issues.
- Reviewed UI code, organized bug bashes, and collaborated closely with UX engineers
- Developed & migrated Grafana plugins, accelerated delivery by 3 months and built dashboard visualizations for Oracle Cloud Infrastructure console plugins using GoLang & React, WebGL & Canvas
- Increased code correctness by implementing React snapshots, Jest, WebDriver, and Playwright tests.
- Architected and developed deployment infrastructure for console applications using Terraform & Docker.
- **Conducted 50+ interviews and mentored 3 engineers**, facilitated promotions from SDE 1 to SDE 2.

Bose, Boston, MA

Software Engineer Intern

May '19 - Aug '19

- Built a full stack scalable smart home product in distributed environments using React & Java, kubernetes
- Utilized Facade design pattern for web facing APIs and built mock servers in python flask to reduce cost

Retail Business Services, Quincy, MA

Jan '19 - May '19

Software Engineer Coop

- Collaborated with backend team and built 'Coupons' app using Object Oriented Design (OOPs) in React
- Developed rich web applications in HTML5, CSS and reusable UI components in React.js (ES6) & Next.js
- Reduced latency in network requests by 200ms by coupling with Redis server and kafka for events

Rigor Solutions, Chennai, India (Start up)

Nov '16 - Aug '17

Software Engineer - Full Stack

- Created ecommerce prototypes from wireframes and promoted to production backed by CI/CD
- Built 100+ secure REST JSON APIs in Python Flask for with SQL queries, OAuth & JWT
- Awarded the **10x developer award** for bug free code and boosted productivity by good coding practices

Altran, Chennai, India

Software Engineer

Oct '15 - Nov '16

- Built TCP/IP, RSVP and LAG features for network routers/ switch in Java & HTML for Juniper network

Skills

JavaScript, Typescript, Python, HTML5, CSSS, Java, React.js, Node.js, Express, Junit, AJAX, Spring, Flask
MySQL, PostgreSQL MongoDB, Redis Git, AWS, Jira, CI/CD (Jenkins, Docker, SonarQube),
Packaging (Maven, npm, pip)

Education

Northeastern University, Boston, MA

Master of Science in Computer Science

Sep '17 - Dec '19

Coursework: Software Security, Web Development, DBMS, Managing Software Development, Algorithms

SRM University, Chennai, India

Aug '11 - Jun '15

Bachelor of Technology in Computer Science & Engineering

Course work: Mobile Computing, Artificial Intelligence, Advanced Databases, Data Structure