

## TARUN SAI THOTA

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### PROFESSIONAL SUMMARY:

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Experienced IT professional with over 7 years in project management, specializing in web technologies and crafting user-centric web experiences. Proficient in Node.js, Java, React, and front-end development technologies including HTML5, PHP, CSS3/SCSS, and JavaScript. Skilled in managing both relational and NoSQL databases, such as MySQL and DynamoDB. Proven ability to enhance project efficiency, drive innovation, and implement effective database solutions. Experienced in working with AWS services including CloudFormation, S3, CloudWatch, and Lambda to optimize cloud infrastructure and streamline development processes.

### EDUCATION:

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University of Texas at Arlington, Arlington, Texas, Master of Science in Computer Science

Jan 2021 – Aug 2022

Vardhaman College of Engineering, Hyderabad, India, Bachelor of Technology in Computer Science and Engineering

Aug 2013- May 2017

### TECHNICAL SKILLS:

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- **Programming Languages:** Java, JavaScript, TypeScript, NodeJS, React, Bootstrap, PHP, HTML5, CSS, Python
- **Frameworks & Libraries:** React.js, Redux, GraphQL
- **Web Technologies:** Single Page Applications (SPA), Progressive Web Apps (PWA)
- **Databases:** MySQL, Oracle, MongoDB, DynamoDB
- **Cloud Platforms:** Azure, Amazon Web Services (AWS)
- **Tools:** HP ALM, VS Code, IntelliJ, Eclipse IDE, Tomcat, MySQL Workbench, Postman, Cucumber, WebPack
- **Operating Systems:** Linux OS
- **Methodologies:** Agile, Scrum, Waterfall.

### WORK EXPERIENCE:

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Software Development Engineer | Amazon Web Services, Seattle, WA.

Sep 2022 – Present

Environment: Java, JavaScript ES6, TypeScript, React, SCSS (CSS/Sass), HTML, XHTML, AWS S3, CloudFormation, DynamoDB, GraphQL.

#### Roles and Responsibilities:

- Led the development of a full-stack web application under AWS **supply chain** organization, leveraging front-end web development skills in XHTML, CSS, React to optimize access control management and achieved a 20% increase in productivity through effective project ownership in a cross-functional environment and ensuring **cross-browser compatibility**.
- Engineered robust UI components using React and Figma, used **Java**, GraphQL for optimal **backend data fetching** seamlessly, executed comprehensive unit and integration tests, achieving 98% data accuracy and module reliability.
- Implemented GraphQL API's for optimized data queries, resulting in a 40% improvement in response times and a 25% reduction in server load.
- Demonstrated leadership by facilitating system design meetings, conducting comprehensive code reviews, and advancing 30% of pipelines to Full CD.
- Optimized operational processes by implementing customized access control measures, reducing backlog by 30% and improving application security, enhancing overall efficiency and reducing incident response times by 25%.
- Engaged with business teams to gather insights and participated in technical decision-making, ensuring projects align with product objectives and deliver optimal results.

Research Assistant | University of Texas at Arlington, Arlington, TX

May 2021 – Aug 2022

- Enhanced user engagement and satisfaction by designing and maintaining interactive health center web portals, leading to a 20% increase in online appointment bookings.

- Improved user satisfaction and system reliability by resolving 95% of technical issues on first contact and conducting regular testing, reducing downtime by 30%.
- Streamlined organizational communication and boosted portal efficiency by 40% through the development of comprehensive documentation, user guides, and targeted training sessions, ensuring swift staff adoption.

#### **Software Engineer | TATA Consultancy services**

**Oct 2017 - Dec 2020**

- Worked on design, development, and maintenance of various applications for the Australian retailer Woolworths.
- Actively participated in client meetings and suggested inputs for additional functionality.
- Developed User Interface using HTML, CSS, JavaScript and JSP.
- Developed web application using Java/J2EE.
- Used Spring-AOP module for implementing features like logging and user session validations.
- Expertise in managing Database and analyzing risks or problems and provide solutions.
- Worked on writing complex SQL queries, Stored Procedures, and triggers.
- Worked on optimization of Java Web Services implementation which improved the execution time.
- Worked with team on many enhancements on web applications.

#### **Web Developer Intern | Vardhaman College of Engineering**

**Mar 2016 – Apr 2017**

**Environment:** HTML5, CSS, Bootstrap, JavaScript

- Designed, built, and maintained the college website using various scripting languages and content creation tools.
- Developed and edited web page content to enhance user experience.
- Wrote supporting code to ensure website functionality and responsiveness.

#### **PROJECTS:**

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##### **Full Stack Web Application**

Technologies: JDK, HTML, JavaScript, ReactJS, JSP, Servlets

- Developed a full-fledged e-commerce website using MVC pattern for optimal code structure and maintenance.

##### **Cloud Deployment**

Technologies: Python, AWS, Azure, SSMS

- Developed and deployed a web application on Azure, GCP, and AWS using Python.
- Improved system speed by 40% using Redis on Azure for caching.
- Performed load balancing and autoscaling of the web application on AWS.