SIDHARTH SREEKUMAR

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EXPERIENCE

Systems Engineer (Web Developer) — Nov 2020 - Aug 2022
Tata Consultancy Services — *Mumbai, IN*

- Led the front-end architecture of large-scale Angular applications respecting coding standards and best practices.
- Developed admin panels, user modules (login, registration, password reset, etc.), utility services, data models, user session handling, and state management (RxJS).
- Created modules based on their primary functions and enabled lazy-loading reducing initial loading time by 75%.
- Performed Test-Driven Development using Jasmine, conducted regular peer training sessions and code reviews that reduced post-deployment errors by 15%.

Assistant Systems Engineer (Web Developer) — Nov 2018 - Nov 2020
Tata Consultancy Services — *Mumbai, IN*

- Created internal and external web applications using Drupal 8 showcasing front-end and back-end development skills.
- Crafted complex MySQL queries to support custom views and developed APIs based on modern Drupal 8 data structures to integrate with various third-party services.
- Performed maintenance of tech stack including patching, upgrading, adding and removing community modules using Composer (PHP).
- Demonstrated a proactive approach to professional growth by independently mastering technologies like PHPCS (code linting for Drupal 8) and XDebug, resulting in a significant 20% reduction in post-production bugs.
- Designed workflow automation scripts using Gulp.js reducing manual effort of recurring tasks by 90%.

PROJECTS

Haritha Kerala Holidays (Freelance project). Designed, developed and deployed a mobile-first business website for a prominent client in the tourism industry, showcasing strong proficiency in HTML, CSS/Scss, Bootstrap and JavaScript (ES6+). Improved search engine visibility using SEO techniques which increased organic traffic by 200%

AURA - Amrita Unified Rural Health Assistant (Research Project). Developed an Android application using Java that interfaced with medical devices to collect and send bio-signals from a patient being taken to a hospital and used the same to conduct research analysis on data transmission delay of bio-signals.

Personal portfolio website (sidharthsreekumar.dev). Created and designed a personal portfolio website to showcase skills, experience, and projects in a visually appealing and user-friendly manner. Improved accessibility and performance using Lighthouse and Chrome Dev Tools reducing page load time to 1ms.

EDUCATION

Certificate in Cybersecurity Analytics (Honours), Mohawk College, Hamilton, ON — 90.03(GPA)		2023
Master of Computer Applications, Amrita Vishwa Vidyapeetham, Mysuru, IN — 80.2(GPA)		2016
Bachelor of Computer Applications, Amrita Vishwa Vidyapeetham, Mysuru, IN — 86.4(GPA)		2013

PUBLICATION

A Cloud-Based Smartphone Solution for Transmitting Bio-Signals from an Emergency Response Vehicle. In I. Management Association (Ed.), Research Anthology on Telemedicine Efficacy, Adoption, and Impact on Healthcare Delivery (pp. 429-446). IGI Global. https://doi.org/10.4018/978-1-7998-8052-3.ch022

CERTIFICATION

SC-900: Microsoft Security, Compliance, and Identity Fundamentals — Microsoft — Dec 2022

SKILLS

Web	HTML/HTML5, CSS/CSS3, JavaScript (ES6+), TypeScript, PHP, REST API, JSON
Frameworks and Others	Angular, RxJS, React, Node.JS, JQuery, Drupal 8, Bootstrap, Java, Spring
Database	MongoDB, MySQL, SQL, NoSQL
Development Tools	Gulp.JS, Git, Composer (PHP), Lando, Docker, XDebug, Jasmine
Project Management	Agile, Scrum, Jira
Other Technical Expertise	MVC, Shell Scripting, Hyper-V, Azure, AWS, DevOps, Linux, Vulnerability Testing
Other Relevant Skills	Testing, Debugging, Code Review, Design Patterns, CI/CD, Android Programming