




Naga Manasa Bandaru

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Arlington, Texas, 76013

SUMMARY

Full-Stack Developer with professional experience in **web development, e-commerce solutions, and system administration**. Highly skilled in creating **responsive user interfaces** and robust **back-end systems**. Experienced working in **Agile methodology** and well-versed in **Scrum**. Eager to contribute to innovative projects and grow within a dynamic team environment.

- Highly skilled in **front-end development** using **HTML5, CSS3, JavaScript, React.js, and Redux** for creating **responsive web applications**.
- Proficient in **back-end development** with **Node.js, Express.js, and PHP** for building **scalable server-side solutions**.
- Experienced in **database design and management** using **MongoDB, MySQL, and SQL Server**.
- Skilled in **Linux system administration** and automation with **Bash scripting** across multiple distributions.
- Experienced in developing reusable **UI components** and modules for **e-commerce and administrative applications**.
- Practiced in **RESTful API development** and **third-party service integration** for enhanced functionality.
- Proficient in **test scenario creation and execution** for ensuring application quality and reliability.
- Experienced in providing **demonstrations** to **stakeholders and Product Owners** throughout the development cycle.
- Strong **communicator** able to translate **technical concepts** to **non-technical audiences** and collaborate effectively with **cross-functional teams**.
- Adaptable professional with proven ability to quickly **learn new technologies** and work across **different domains**.

WORK EXPERIENCE

University of Texas at Arlington - Arlington, TX 06/2024-PRESENT
WEB DEVELOPER

- Develop and maintain a **streamlined portal** for UTA's CSE faculty using **HTML, CSS, JavaScript, and PHP**.
- Implement **secure database management** with **MySQL** for storing departmental resources and inventory information.
- Configure and manage **Apache web server** for optimal performance and security requirements.
- Administer **Linux-based lab systems** implementing **LUKS encryption** for enhanced data protection.
- Create and deploy **automated Bash scripts** for **antivirus deployment** and **user management** across multiple lab environments.
- Optimize **virtualization resources** through **VirtualBox configuration** to support student computing requirements.
- Monitor **server performance** metrics to ensure system integrity and consistent uptime.
- Maintain multiple **Linux distributions** including **Ubuntu, CentOS, Red Hat, and Fedora**.
- Document **technical processes** and create **user guides** for faculty and staff.

Eunimart Omnichannel Pvt. Ltd. - Hyderabad, India 08/2021-07/2023
SOFTWARE DEVELOPER

- Developed **responsive front-end interfaces** using **React.js, Redux, JavaScript, HTML5, and CSS3**.
- Implemented **back-end functionality** with **Node.js and Express.js** to support **e-commerce operations**.
- Created and optimized **RESTful APIs** for seamless integration between **front-end and back-end systems**.
- Designed and implemented a **UI Engine component** for **reusable components**, significantly **reducing code duplication**.
- Built comprehensive **Supply Chain Management** modules with **inventory tracking** and **order processing**.
- Developed **dynamic forms and data tables** using **React with Redux state management**.
- Integrated **third-party APIs** for **payment processing, shipping, and order management**.
- Performed **unit testing and integration testing** to ensure **application quality and reliability**.
- Utilized **Git and GitHub** for **version control** and **collaborative development**.
- Participated in **Agile development cycles** including **sprint planning, daily stand-ups, and retrospectives**.
- Provided **sprint demonstrations** to **stakeholders** and supported **user acceptance testing processes**.

EDUCATION

UNIVERSITY OF TEXAS AT ARLINGTON - Arlington, TX, United states 2024-Present
MASTER'S IN COMPUTER SCIENCE : CGPA - 3.4/4.0

VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN - Visakhapatnam, AP, India 2019-2023
BACHELOR'S IN INFORMATION TECHNOLOGY : CGPA - 7.4/10.0

TECHNICAL SKILLS

- **Front-End:** HTML5, CSS3, JavaScript (ES6+), React.js, Redux, Bootstrap, Material UI, Tailwind CSS, Responsive Design
- **Back-End:** Node.js, Express.js, PHP, RESTful APIs, API Integration
- **Databases:** MongoDB, MySQL, SQL Server
- **Programming Languages:** JavaScript, TypeScript, Python, Java, C++, Bash
- **System Administration:** Linux (Ubuntu, CentOS, Red Hat, Fedora), LUKS Encryption, Apache, Virtualization (VirtualBox)
- **Version Control & Tools:** Git, GitHub, VS Code, Jira, Postman, Swagger
- **Methodologies:** Agile (SCRUM, KANBAN)
- **AI Tools:** GitHub Copilot, Warp AI, Cursor AI
- **Testing:** Unit Testing, Manual Testing, Agile Testing, ETL Testing, Jest
- **Cloud & Deployment:** AWS, Netlify

PROJECTS

A to Z E-Commerce – Online Shopping Platform:

- Built scalable **e-commerce platform** using **React.js, Node.js, Express.js, and MongoDB**.
- Implemented **product catalog** with **advanced filtering and search functionality**.
- Developed **shopping cart** and **secure checkout process** with **payment integration**.
- Created **admin portal** for **inventory management, order processing, and sales analytics**.
- Implemented **responsive design** for **optimal mobile shopping experience**.

Learning Management System (LMS):

- Developed **comprehensive learning platform** with **course creation and enrollment capabilities**.
- Implemented **video content streaming** with **progress tracking functionality**.
- Created **automated quiz generation and grading system** with performance analytics.
- Designed **instructor dashboard** for **monitoring** student engagement and progress.
- Integrated **AWS S3** for **secure file storage and content delivery**.

Karthikeya Flex – Business Website:

- Developed a **full-featured business website** using **React.js front-end and Node.js back-end**.
- Implemented **MongoDB** database for **storing** customer orders and business information.
- Created **responsive UI components** with **Material UI framework** for consistent user experience.
- Designed admin dashboard for order management with **real-time notifications**.
- Implemented **secure user authentication** and **role-based access control**.

Resume Builder – Web Application:

- Built **interactive resume creation tool** with **React.js** and **modular component architecture**.
- Implemented **drag-and-drop functionality** for section reorganization using **React DnD**.
- Created multiple responsive resume templates with **real-time preview capabilities**.
- Developed **PDF generation functionality** for **downloadable** resume documents.
- Implemented **form validation and data persistence** using local storage.

Ashray Ladies Hostel – Management System:

- Architected **full-stack MERN application** for **comprehensive hostel management**.
- Designed **database schema** in **MongoDB** for resident information, room allocation, and facilities.
- Implemented **secure authentication** with **JWT** and **role-based authorization system**.
- Created **responsive admin dashboard** for hostel administration and reporting.
- Developed **automated notification system** for **payments** and **announcements**.

Portfolio Website:

- Designed and developed **personal showcase site** using **React.js** and **modern CSS techniques**.
- Implemented **responsive layout** ensuring compatibility across all device sizes.
- Created **custom animations and transitions** for enhanced user engagement.
- Deployed and configured site using Netlify with continuous integration.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Microsoft Azure Certification (AZ900)
- Full-Stack Web Development with MERN Stack, Udemy