



RASMI ROY

Full Stack Developer

CONTACT

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EDUCATION

B Tech (Bachelor of Technology), Computer Science

University of Calicut, India(SEP 2004 - DEC 2008)

Full Stack Coding Bootcamp

University of Miami, FL(DEC 2023 - JUNE 2024)

CERTIFICATIONS

- Microsoft Certified Technology Specialist
- .NET Framework 2.0 Web Applications
- .NET Framework 2.0 Windows Applications
- Full Stack Coding Bootcamp

PROFILE

Motivated and experienced software developer with a passion for learning new technologies. I took a career break from 2013 to 2023 to focus on family responsibilities and personal development. During this time, I engaged in various IT-related activities, including independent study and completing a coding bootcamp. I developed proficiency in full stack development and remained abreast of industry trends and advancements.

I am now ready to reenter the workforce on a full-time basis and eager to leverage my skills and experiences to contribute to a dynamic team. I bring a proven track record of success in various aspects of information technology, including web development, application design, and database management. With a commitment to continuous learning and a drive for excellence, I am excited to contribute my skills and expertise to the success of a dynamic and innovative team.

PROFESSIONAL PROFILE

- Experience in various aspects of Information Technology including Analysis, Design, Development, Implementation and Testing of Web-based applications
- Four years' experience in website development and design using LAMP (Linux/Apache/MySQL/PHP) platforms, JavaScript, HTML, CSS, along with responsibilities for the management of database performance, backup, replication, capacity and security.

- Experience in developing applications using Microsoft ASP.NET, VB.NET, XML, Web Services, Content Management System, VB 6.0, ASP, IIS, Visual Studio 6.0.
- Experience and knowledge of AngularJS and commonly used modules.
- Proven record of working in both small and big teams under stringent time constraints.
- Experience in providing support for maintaining and expanding existing data collection and data delivery platforms
- Experience in acquiring data from different sources and developing data systems that support analysis and reporting
- Experience in creating new data collection systems that optimize data management, capturing, delivery and quality

PROFESSIONAL SKILLS

Front-End Development:

- HTML5
- CSS3
- JavaScript (ES5+, ES6+), C, C#, C++, AJAX, PHP, .NET)
- Framework and Libraries (jQuery, Angularjs, React.js, PHP GraphLib, pChart)
- Responsive Design
- CSS Frameworks (Bootstrap, Tailwind and Bulma)

Back-End Development:

- Server-Side Languages (JavaScript, Node.js, Java and PHP)
- Server Frameworks (Express.js)
- Databases (MySQL, MongoDB)
- ORM/ODM Libraries (Sequelize)
- RESTful API Development
- Authentication and Authorization Systems

DevOps and Deployment:

- Version Control Systems (Git)
- GitHub/GitLab
- Continuous Integration/Continuous Deployment (CI/CD) Pipelines
- Cloud Platforms (Heroku, Netlify and Render)

Operating Systems:

- Linux, Windows, Mac
- **Editors:**
- Visual Studio, Eclipse, Dreamweaver, NetBeans 7.2, PuTTY

Additional Tools and Skills:

- Command Line Interface (CLI)
- Package Managers (npm)
- Testing Frameworks (Jest)
- Debugging Tools
- Web Security Best Practices
- Performance Optimization Techniques
- Cross-Browser Compatibility
- Knowledge of Agile Methodologies (Scrum, Kanban)

PREVIOUS EXPERIENCES

Full Stack Coding Bootcamp

University Of Miami Coding Boot Camp, Miami, FL | Dec 2023 - June 2024

As a graduate of a rigorous full stack coding bootcamp, I acquired comprehensive skills in both front-end and back-end web development, enabling me to contribute effectively to the creation of modern web applications.

- Developed responsive and user-friendly front-end interfaces using HTML, CSS, JQuery and JavaScript, with a focus on accessibility and performance optimization.
- Implemented modern front-end frameworks such as React.js to create dynamic and interactive user experiences.
- Designed and implemented RESTful APIs and backend services using Node.js, Express.js, MongoDB and MySQL to handle data storage, retrieval and manipulation.
- Developed GraphQL queries and mutations on the server-side and also implemented those queries and mutations on the client-side as well.
- Integrated third-party APIs and services to enhance application functionality and streamline workflows.
- Implemented user authentication and authorization systems, ensuring secure access control and data protection.
- Utilized version control systems such as Git and GitHub to manage codebase, track changes, and collaborate with team members.
- Actively participated in code reviews, testing, and debugging activities to maintain code quality and resolve issues promptly.
- Deployed web applications to cloud platforms like Heroku using CI/CD pipelines, Netlify and Render for scalability and reliability.
- Demonstrated strong problem-solving skills, adaptability, and a passion for continuous learning in a fast-paced and dynamic environment.

- Actively participated in coding challenges, projects, and workshops, honing my technical skills and expanding my knowledge of industry best practices.
- Collaborated with peers and instructors on group projects, fostering teamwork and communication skills essential for success in a collaborative development environment.

Software Developer

Northwestern University, Evanston, IL | Jan 2013 - Oct 2013

- Developed and tested the mobile application iLab, facilitating the remote delivery of scientific laboratory experiments. iLab has positively impacted almost 6,000 high school students and teachers worldwide by providing access to world-class laboratory equipment online. The project was honored with the prestigious 2013 Innovations in Networking Award for Educational Applications.
- Maintained comprehensive project documentation to ensure transparency and facilitate collaboration among team members.
- Contributed to the application design using PHP, CSS, JavaScript, HTML, and AngularJS, ensuring adherence to validation requirements and enhancing user experience.
- Collaborated with external web services, utilizing REST APIs to streamline data exchange and enhance application functionality.

Web Developer

TD Mobility, Libertyville, IL | Feb 2012 - Jan 2013

Contract Position

- Spearheaded both back-end and front-end development and maintenance of websites using PHP Object-Oriented Programming (OOP) principles and MySQL database management.
- Conducted rigorous testing and validation of developed solutions to ensure seamless functionality and optimal user experience.
- Developed compatible user interface functionality using PHP, jQuery, and JavaScript, enhancing website interactivity and responsiveness.
- Documented comprehensive features, technical specifications, and infrastructure requirements to guide development processes and facilitate future maintenance.
- Collaborated closely with a multi-disciplinary team to translate business needs into technical specifications, ensuring alignment with organizational objectives.
- Designed and implemented dashboard widgets for the customer service team, enabling real-time monitoring of ticket system activities using PHP libraries.
- Successfully transferred all existing ticket system data to a new customer support platform, Zendesk, using REST APIs with cURL and libcurl, improving system efficiency and functionality.
- Monitored and updated software and website bug statuses and IT development activities using JIRA project tracker on a daily basis, ensuring timely resolution of issues and alignment with project timelines.

- Managed the company's carrier billing system, streamlining customers' wireless infrastructure by offering multiple-carrier consolidated billing solutions.
- Maintained and optimized the database, ensuring data integrity, security, and performance improvements over time.
- Prepared data analysis reports by compiling data from various sources, providing insights and recommendations for business improvement initiatives.
- Leveraged existing tools to monitor business behaviors, proactively identifying key areas of improvement and contributing to strategic decision-making processes.
- Utilized data analysis practices to examine solutions, produce analysis reports, and drive continuous improvement efforts within the organization.

PHP Programmer

Lightology LLC, Chicago, IL | Dec 2011 - Jan 2012

Contract Position

- Developed dynamic web applications and maintenance tools, contributing to the enhancement and functionality of online platforms.
- Utilized MySQL to create complex database queries, including selects, inserts, updates, and joins, optimizing data retrieval and manipulation processes.
- Acquired proficiency in stored procedures within MySQL, leveraging advanced database functionalities to streamline data processing and improve system performance.
- Managed project files effectively using Tortoise SVN version control system, ensuring versioning consistency and facilitating collaborative development efforts.

Web Developer

Partner Data LLC, Evanston, IL | Sep 2010 - Dec 2011

Contract Position

- Designed, developed, and updated various consumer websites, including CouponMob.com, BrandSampleNetwork.com, NationalDiningCoupons.com, FamilyCouponNetwork.com, and CouponSavingsNetwork.com.
- Led PHP backend development for dynamic, database-driven websites, ensuring robust functionality and optimal performance.
- Evaluated the look, feel, structure, and flow of websites, integrating related systems efficiently to meet business objectives.

- Designed and implemented user-driven templates and interfaces, prioritizing ease of use and enhancing user experience.
- Implemented and hosted systems on web servers, ensuring seamless accessibility and reliability for end-users.

Programming Intern

AI Incube, Inc. Chicago, IL | Jun 2010 - Sep 2010

- Collaborated with a team of developers on the creation of a smartphone application designed to assist with city parking, contributing to the development and enhancement of the application's functionalities.
- Coded web pages using CSS, HTML, and programming languages such as Java, JavaScript, and MySQL, ensuring strong optimization and functionality of websites.
- Assisted in the planning of the overall company policy regarding search engine optimization and web development, providing insights and recommendations for improving online presence and visibility.
- Analyzed, tested, and modified web systems to enhance performance, usability, and user experience, contributing to the overall improvement of web-based solutions.

Graduate Project

Feb 2008 - Dec 2008

Description: Led the development of a remote surveillance system aimed at measuring physical constants such as temperature and pressure of materials. The system utilized a robocar controlled by a computer to conduct surveys remotely. Implemented cruise control of the car through computer programming. Developed on a Java, C, J2EE development platform.

Key Contributions:

- Programmed and compiled the PIC microcontroller 16F84 using C and Assembly language, enabling control of the robocar's functions.
- Designed and implemented Zigbee wireless technology, based on the IEEE 802.15.4 standard, to establish wireless communication between the computer and the robocar, ensuring seamless data transmission.
- Collaborated with team members to develop applications using Java and J2EE, contributing to the overall functionality and reliability of the system.

Technologies Used: Java, C, J2EE, PIC microcontroller 16F84 (C and Assembly language), Zigbee wireless technology (IEEE 802.15.4 standard)

Development Platform: Java, C, J2EE, MP Lab

Current Immigration Status

Green Card

References

Available upon request