


Rajesh Rajchal

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JAVA PROGRAMMER

Mid-level programmer with over five years of professional and academic experience in developing web-based Java applications. Proven ability with software development lifecycle and microservice architecture from concept, development to delivery.

TECHNICAL SKILLS

- Object-Oriented, Multi-threading, Event Handling, Network Programming, Full Stack Web Developer
- Algorithms, Memory Management, Data Structures, GUI, Machine Learning, Artificial Intelligence, SDLC
- **Java:** J2EE, Servlet, Spring, Hibernate, MyBatis, JDBC, JavaFX, GUI, Graphing, Google Maps, Gaming
- **C, C++:** OOP, Signal Handling, Game, GUI library (OpenGL), Macro, Memory Management, STL
- **Python:** NumPy, SciPy, Matplotlib, Tkinter, Data Analysis, TensorFlow, ArcPy, GUI Game Development
- **VB.Net:** Windows applications, Games, Database management through SQL and MS Access
- Mobile Application (Android)
- **IDE:** Eclipse, NetBeans, IntelliJ, Android Studio, Visual Studio, CodeBlocks, Dev-C++, Jupyter Notebook
- **Front End Developer:** HTML/CSS, JavaScript, AngularJS, jQuery, JSON, AJAX, Bootstrap, XML
- **Web Servers:** RESTful, MongoDB, WebLogic, Apache Tomcat, Cloud Computing
- **Back End Developer:** NodeJS, MyBatis, SQL, MySQL, PostgreSQL
- Linux, Windows, iOS, Agile Methodology, MS Access, GitHub, Bash, PowerShell, Command line

PROFESSIONAL EXPERIENCES

FULL STACK JAVA DEVELOPER, Arabian Horse Association, Aurora, CO January 2020 – Present

Website development and database management for the Arabian Horse Association with over 1 million registered horses and over 600K members including owners, breeders, and event organizers. Update and manage content for events and maintain schedules, records, and statistics. AHA is the official Arabian horse association and registry in the U.S. and Canada.

- Create system-level programs using Java web technologies, which includes Java 8, Java Web Services (Soap and Rest), Spring MVC, Java Server Faces (JSF), openCMS, JavaScript, Ajax, jQuery, Jasper, XHTML/CSS, JUnit test.
- Create new programs for top priority projects to securely migrate from 8i to 11g Oracle databases.
- Create new interactive and user-friendly webpages to advertise and purchase horses. Helped end-users understand the working of the system and deployment of the project.
- Collect specifications for the system and created flowcharts and algorithms for developing code. Involved in designing, developing, modifying, and documenting the project to existing and new business technology systems.
- Enhance application features to optimize overall performance and reliability.
- Deploy applications using Gradle into Linux/Unix environment and debugged code in test servers.
- Design websites using SQL queries to develop reports in various formats (html, csv, pdf) for back-end clients. Code functional JUnit test cases for automation scripts for UI.
- Pivotal team member in a software development environment using a common IDE (Eclipse), bug tracking software (Trac), and code repositories (SVN). Agile Method.
- Maintain clear communications and working relationships within the department and with other internal and external customers.
- Deadlines consistently met through time management including working additional time as required.

Rajesh Rajchal

INSTRUCTOR & TUTOR, Front Range Community College, Longmont, CO

July 2015 – Present

Teach *Introduction to Programming*. This course emphasizes the design and implementation of structured and logically correct programs with good documentation. It is centered on basic programming concepts, including control structures, modularization, and data processing.

- Promoted to instructor for 2021 semester, per recommendations of college professors.
- Teach classes with 10 to 25 students online, real-time remote, and in class.
- Implement learning by doing approach through step-by-step hands-on practice in a respectful manner.
- Encourage students how to think in a programming way in order to help them achieve success.
- Empower and teach students to understand and break a larger problem into smaller manageable tasks and find solutions for each in order to solve the main problem.
- Help students to understand stress and frustration in a positive way. Assist them to combat challenges through understanding problems, listing possible solutions, asking questions, and teamwork.
- Responsible for leading class and labs to teach programming in different languages: Python, C, C++, Java, VB.NET, JavaScript, HTML/CSS, ArcGIS, MS Office, Microsoft Access, SQL.
- Teach object-oriented programming, data structures, graphical user interface, statistical analysis tools.
- Assist students to develop Mobile Application (Android).

IT TECH, University of Colorado Boulder, CO

January 2019 – December 2019

Tech support to the department of Center for Astrophysics and Space Astronomy. CASA is dedicated to advancing the understanding of the Universe in which we live through observations, theory, and the development of ground-based and space-borne instrumentation.

- Provided excellent customer support (face-to-face, phone, chat) for over 500 faculty to troubleshoot technical issues, install software, hardware configuration, and application use (MS Office).
- Database management of computers, accessories, and current users throughout device lifecycle.
- Maintained hardware and software by imaging, data backups, upgrade hardware, and secure cleanup.
- Provide effective communication for all types of incidents and requests for technical issues ensuring that the customers are informed of progress at all times.
- Supported the development and update the departmental website: <https://www.colorado.edu/casa/>
- Received customer support training to communicate effectively, provide high levels of service, and ensure clients get the best experience with IT Team.
- **Technologies:** ServiceNow, Linux, Outlook, Microsoft Team, Access, Disk Encryption

TEAM LEAD, Target Store, Boulder CO

July 2008 – Dec 2018

Supervisor role overseeing customer service, call centers, and electronics department.

- Provided excellent customer service and solution-oriented troubleshooting for Target customers.
- Supervised and managed 20 cashiers during shifts including weekly/daily schedules.
- Went through Target customer service training which lead to increased communication and problem-solving skills.
- Created shift scheduling program which led to more efficient management of employees' daily schedule and breaks.
- Received many excellent customer feedback surveys, and awards for the employee of the month.

EDUCATION

Bachelor of Arts in Computer Science

University of Colorado Boulder, Boulder, CO

US Citizen since 2013 - passed rigorous citizenship test.