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Information Technology

Fundamental knowledge and understanding of Object Oriented Programming principles. Extensive technical knowledge, paired with impeccable critical thinking yield advanced problem-solving skills. Flawless communication skills; able to convey complex concepts and ideas to individuals of wide technical level range. Expertise includes:

- All phases of software development life cycle (SDLC)
- Latest tools and concepts to build, monitor, scale, and maintain web applications
- Business process analysis and business process re-engineering for efficiency

TECHNICAL SUMMARY

Programming languages	Java, C#, .NET, HTML, CSS, JavaScript, Ruby, Python
Operating systems	Linux, Windows, iOS, UNIX
Development environments	Eclipse, Visual Studio, Android Studio, Ruby Mine, Atom
RDBMS	MySQL, Oracle, SQL Server, MSSQL server, PostgreSQL, MS Access

CERTIFICATIONS

Oracle Certified Associate - Java 8 SE	Oracle Certified Associate	2017
AWS Certified Solutions Architect – Associate		2019
Certified Associate in Project Management		2019

PROFESSIONAL EXPERIENCE

Educational Credit Management Corporation, Mather, CA 2018 - Current

Software Engineer

Assignment: FRED

- Use Java programming language to implement new features, enhancements and resolve code bugs.
- Use advanced data structures such as Lists, Maps, Sets, Vectors, and Matrices.
- Architect and Implement Object Oriented design patterns
- Leverage the powers of the Spring framework, Maven, Ant, Junit, Hibernate, etc.
- Delve in using concurrency and multithreading where appropriate.
- Query Oracle database for data based on advanced criteria using joins, aggregations, and indexing.
- Handle memory allocation and leveraged understanding of garbage collection.
- Communicate and collaborate effectively within my team of developers, and with stakeholders and end users.

PowerSchool, Folsom, CA

2016 – 2018

DevOps/Software Engineer

Assignment: Web application

- Headed DevOps role for a 50 million users' web application after a short 3 months on-boarding period.
- Enforced security policy and good practices to protect Personally Identifiable Information.
- Created and maintained CI/CD servers using GitLab's built-in features and Jenkins.

- Use Python and Ruby to build automation of repetitive tasks to improve the delivery time, reduce the risk of operator errors and alleviate the load on the team.
- Monitored application performance using tools such as New Relic, Consul, and direct emails using cron jobs and bash scripts.
- Onboarded and trained other team members with direct interaction and through robust and thorough documentation I created.

Assignment: Migrate Virtual machines to a new data center which saved the company \$250k annually

- Use Ruby to build specific Chef cookbooks and recipes to deploy Application code and configuration selectively to all the VMs.
- Migrated the full virtual servers' fleet, 17 application/web servers and 4 database VMs from one hosting region to another without impact to customers.
- Created all replacement VMs in the new data center, replicated the existing architecture with improvements to fix shortcomings.

Assignment: Deploy the application I oversee to a foreign country under a distinct set of laws.

- Architect the application High Availability, accessibility, and features to abide by the foreign customer's country laws while ensuring scalability.
- Build pre-production environments in AWS to enable code, environment, and their interaction quality assurance.
- Construct production servers, load-test them, and implement changes to insure a decent response time.

Legislative Data Center, Sacramento, CA

2014 – 2016

Software Developer

Assignment: Share the coding workload as a full-fledged developer using the Agile SDLC methodology

- Key member of a team of developers -using the .NET stack (C#, JavaScript, HTML, CSS)- to resolve bugs, implement enhancements, and create new applications as requested by the business team, the QA team, and the customer.
- Gathered requirements, which are then converted into actionable tasks and ultimately new code. I conducted code unit testing to prevent pushing bad code to the team's Team Foundation Server (TFS).
- Interacted with personnel at various levels -within my team and in multiple other teams- collaboratively with effective written and verbal communication skills.

Assignment: Enable an urgent feature according to specifications

- Project lead to build a custom report, using stored numbers, calculated values, and pie charts in specific presentation, within 2 days of the request.
- I developed the front end, the back end, unit-tested my code, submitted to QA and received successful feedback.
- I successfully met the deadline with effective planning and flawless execution.

EDUCATION

MBA, Finance concentration, CSU - Sacramento (In Progress)

BS, Agronomy Engineering, ENAM, Meknes, MOROCCO

AS, Computer Science, American River College

AS, Mathematics, Sacramento City College