

RURAJ JOSHI

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SUMMARY

My first program ever ran on a 80486 series microprocessor, and since then, programming has been the love of my life.

Experience in a DevOps method based job makes me capable of understanding, implementing, testing and supporting software product requirements.

To whom it may matter, I have 3 years of experience in Java full stack development, 2 years in Android and 1 year in HTML5/CSS3/JS and Scala. Hands-on experience with various frameworks makes me a RAD friend when needed.

HIGHLIGHTS

- Project management
- Agile development methodologies
- Requirement analysis and design phases
- Analytical
- Advanced knowledge of embedded systems
- Library design
- Scalability
- Testing
- Full stack development

ACCOMPLISHMENTS

Product Improvement

- Played a vital role in moving existing embedded solutions towards open source and efficient solutions using Linux and ARM devices
- Research, design and implementation of such embedded solutions

Improvement of Software Design Process:

- Helped incorporate better software design and development process using source control (GIT), and project management tools
- Started use of Agile scrum based development

Research and Development:

- Led many R&D projects that resulted in multiple new projects over a span of 3 years

EXPERIENCE

01/2013

Design Engineer

Real Time Solutions— Lalitpur

Real Time Solutions is an organization dedicated to solving community problems. There, I have been developing Java based server applications from the ground up. The duties were performed for and among an established team of highly professional engineers. My projects involved a diverse number of clients like ICIMOD (International centre for Integrated Mountain Development), MFD (Meteorologic Forecast Division Nepal), CAAN (Civil Aviation Authority Nepal), MOAD (Ministry of Agriculture Department Nepal), BNB (Bhutan National Bank) and others.

Some of my key duties:

- Requirement and business analysis, including selecting core project components, analysis of feasibility. Research and design of application architecture

- learning the existing architecture of the projects, providing feedback, figuring out improvement paths, as well as implementing and testing changes
- Writing efficient and reliable code with JUnit testing. Regular code review ensured my work was of the highest standard as is expected in the company
- Code documentation, software manual and support of projects
- Coding, testing and documentation
- Involvement in client training and providing support
- Use of project management to maintain software design process including project work packages, time-line, issue tracking as well as customer support and resolution tracking
- Packaging and deployment of software and managing deployment environment like Amazon EC2
- Close involvement with other departments like designers, marketing executive, directors was a must to ensure high quality work and proper process
- Supervision and guidance of junior colleagues including team building, guiding and reviewing work of fellow colleagues, as well as organizing mini trainings on project architectures, version control systems, Linux technologies and so on.

A few of the specific software development processes and responsibilities:

- Server-side as well as client-side software development where client-side software were desktop based softwares (JavaFX) or web based softwares (JS, HTML, CSS) or mobile softwares (Android).
- Use of dependency management tools like Maven and maintenance of Maven server.
- Intensive use of version control with GIT in internal GitLab server as well as administration of the server.
- Close involvement in design of database, ERD diagrams and schema maintenance.
- Internationalization of software in server-client as well as standalone software environments.

EDUCATION

2013

Bachelors of Engineering: Computer Engineering or equivalent
Kathmandu Engineering College— Kathmandu, Nepal

2009

High School Diploma: Science with Physics
St. Xavier's College— Kathmandu, Nepal