

Anand Patil

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Extensive hands-on experience in different phases of the software product development cycle, including software engineering, product management, UI / Usability, and quality assurance. Experience working in small startups and large companies. Have in-depth knowledge of web browser development for smart phones.

- **10+ years** of experience in software services industry.
- Strong technical analysis and design ability.
- In-depth knowledge of WebKit, Browser Technologies.
- Good interpersonal and communications skills.
- Effective professional mentor and coach.
- Expert at learning new technologies to assess their uses and applicability.

Skillset

- C/C++, Java.
- WebKit, QtWebKit, Mobile Web Browser development.
- Proxy/Cloud Browser development.
- Fair understanding of web technologies HTML, CSS, JavaScript, jQuery, REST.
- Git, SVN, Bugzilla, JIRA.
- TCP/IP, HTTP protocols

Professional Experience

- Currently working with **Nokia India Pvt Ltd. Bangalore** (www.nokia.co.in) since 7 years 6 months.
- Worked with **Processor Systems Pvt India Ltd. Bangalore** (www.procsys.com) for 3 years 2 months.
- Worked with **Itreya Technologies. Bangalore** (www.itreya.com) for 4 months.

Trainings

Attended *License To Lead* training at Nokia India Pvt Ltd. For those who step into the leadership roles, this training is an introduction to the leadership qualities required to aspire, inspire and achieve goals in the organization.

Education

U. B. D. T. College of Engineering. Davangere. Karnataka.
Bachelor of Engineering (Computer Science).

September 2003
80.27%, 2nd Rank.

Professional Projects

Nokia India Pvt Ltd. Bangalore
Architect / Technical Lead

March 2007 - Present

Design and Development of Nokia Xpress Browser Client for low cost devices.

Designed complete client architecture for Xpress Browser on MTK platform. Acted as a technical contact for implementation, performance improvements and release of the software. Challenges included developing the browser with only 1.5 MB RAM available to application. This included implementation of HTTP protocol using TCP/IP platform APIs.

- **Achievements:** Bringing up the software to release quality within short duration of 3 months. Even after having memory and processing restriction, handled smooth release of the browser.
- Developed framework to make sure developed code is platform abstracted so as to enable for porting on other platforms.
- Implemented zoom, scroll and page navigation functionalities.
- Involved in code review, QA review and release.
- **Key Technologies:** C++ on MTK Platform.

Contribution to Server enhancements of Nokia Xpress Browser.

Proxy based browser on distributed client-server architecture that provides high computing needs of a web browser on low-end mobile devices with very limited resources like memory and CPU power. The solution has 100 million active users that are growing exponentially. There are multiple servers that enable compression of webpages with customized Mozilla browser engine (Gecko) running on backend servers.

- **Achievements:** Implemented Web Storage feature with cloud storage capability, adding geo-location feature.
- Provided architecture and prototype for updating Cloud engine to WebKit based browser engine.
- Fixed important blocker issues in layout and rendering.
- **Key Technologies:** C++ (Mozilla Gecko engine) and Java (front-end) on Linux (RHEL).

Development of Mobile Web Browser for S60 Smart Phones.

Technical Lead for Browser 7.3 which is Nokia's latest Symbian smart phone web browser. Started and managed the group to build the product and ensured successful delivery by participating in defining, developing, and testing.

- **Achievements:** Updated the **WebKit** engine revision to 57K. Implemented major performance improvements, CSS3 support. Oversaw the complete re-design of the UI and its implementation. Hired key development resources. Designed and implemented HTML5 Audio-Video, Viewport Meta tag support.
- Helped team to back port browser 7.3 to In Market Products including Nokia 5800, Nokia E72 and Nokia N85.
- **Key Technologies:** C++, Webkit, HTML5.

Browser Development using QtWebKit

Acted as technical lead for cross platform, full touch web browser. Built team from Bangalore site and delivered some of critical browser functionalities.

- **Achievements:** Played an active role in product designing and bringing together browser content usability functions such as page navigation, page zooming, content interaction.
- Implemented WebKit Page Tiling, Animation handling, Viewport Meta tag support.
- Managed schedules by aggressively controlling bug counts and limiting feature creep. As a result, we delivered frequent, high-quality releases of code; sustaining significant weekly releases for months at a time.
- **Key Technologies:** C++ and Qt on Symbian, Windows and Linux

Development of Download Manager

Started as individual contributor and went on to build team for design and development of Download Manager for S60 smart phones.

- **Achievements:** Was responsible for implementing critical features including Download Pause-Resume, OMA Specification compliance, Album download support, integration across all clients in S60 platform.
- Led team to be customer focused and ease of usability which received well feedback from all download manager clients. Rapidly synthesized requirements and technical analysis into development plans and adapted the same.
- Designed and implemented UI support for Album download.

Processor Systems India Pvt. Ltd. Bangalore
Associate Senior Engineer

January 2004 – March 2007

Beceem WiBro Diagnostic Library

Led the development of diagnostic and manufacturing test operation tool for Beceem WiMAX devices. Worked closely with clients to define, design, implement and deliver the tool.

- Participated in on-field usage of the tool and implementing improvements for Samsung, Seoul, South Korea.
- **Key Technologies:** Windows C++.

Development of LabOps

Individual contributor for web based e-learning tool for Cisco devices called LapOps.

- Design and implementation of Lab Wizard database and UI modules.
- Developed an abstract database layer for accessing multiple DB systems.
- **Key Technologies:** ASP, VB, SQL, HTML, JavaScript, PHP.

Itreya Technologies. Bangalore
Trainee

September 2003 – January 2004

Worked on web based application development.

Key Technologies: HTML, JavaScript.