

# NICHOLAS KARNICK

☎ 651-592-6453

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www.nicholaskarnick.com

## A B O U T M E

Experienced software engineer with over a decade of experience in software development and web-based business database applications seeking career with talented, motivated programmers.

## T E C H N I C A L P R O F I C I E N C I E S

<i>Programming</i>	HTML5, CSS, PHP, Adobe Flex, Java, JavaScript, jQuery, C#, .NET, Delphi, Zend, Yii, Laravel, Slim, WordPress, React/Redux, REST APIs, Webservices
<i>Database</i>	MySQL, SQL Server, SQLite, Oracle, NoSQL (Couchbase)
<i>Development</i>	Object-oriented Design, Agile Development, Solutions Architecture, Database Administration, Technical Documentation, Quality Assurance, Mobile Development, JIRA, Git, Docker, Bamboo

## E X P E R I E N C E

### Ascend Learning: Fisdap

Minneapolis, MN

*Software Engineer*

May 2016 – Present

As a member of the Fisdap software engineering team, I worked closely with other developers to maintain existing solutions, as well as develop new software to meet changing business needs. I worked directly with product owners to understand requirements and offer technical guidance for achieving stated project goals.

- Took over development of RESTful API and completed necessary stories for mobile launch. Worked closely with offshore mobile team to remediate bugs, clarify documentation, and support future development.
- Worked with team to design and implement new micro-services architecture intended to meet business requirements that forced a rework of core website functionality. Our plan also addressed growing technical debt and performance concerns.
- Participated in design discussions, wrote technical documentation, and developed flowcharts for presenting business needs to upper management.
- Reworked unit test suite by implementing MySQL transactions resulting in significant reduction of build and deployment time.

### Comparatio USA, LLC

St. Louis Park, MN

*Project Manager / Lead Developer*

Nov. 2013 – Dec. 2015

In addition to tasks as software engineer (below), responsible for overseeing and documenting all aspects of assigned projects. Worked closely with upper management, team members, and customers to make sure the scope and direction of each project was on schedule and on budget. Built strong relationships with clients through prompt customer service and honest, clear communication.

- Tasked with proposal preparation, estimating time requirements, scope definition, pricing, time recording and invoice preparation.
- Attended or presented numerous prototypes and sales pitches to potential clients in role as technical expert.
- Delegated tasks to team members, assisted with problems, suggested best practices, and monitored progress.
- Maintained clear lines of communication with clients for progress reports, bug reporting, feature requests, product feedback, and general customer service needs.

### Comparatio USA, LLC

St. Louis Park, MN

*Software Engineer*

June 2007 – Nov. 2013

Designed, developed, and maintained dozens of software and web-based applications from start to finish across a wide range of platforms and business sectors. Performed database administration duties including all aspects of data structure design, query writing, optimization, backup/restoration, and maintenance. Acted as primary client contact for purposes of customer service, bug reporting, new feature requests, and emergency maintenance. Provided technical leadership to Junior Engineers.

*Selected projects include:*

- **Fastenal Sourcing System:** Designed, implemented, and supported a web-based solution used to source and quote incoming RFQs. Key features include: automatic category and quoter assignment from part description parsing, historical quote referencing via data warehousing look-up, custom pricing calculations, currency conversions, Excel import/export, live reporting and quoter workload burn down charts.
  - Replaced company Delphi server with custom developed PHP solution resulting in significantly decreased downtime and server side bugs.
  - Identified bottleneck in main SQL query causing slow load times. Developed data warehousing solution that reduced query time by over one minute (>90%).

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- Established strong business relationships with customer contacts leading to repeat business and quality referrals.
- Over 500 users. More than one million lines quoted.
- **3M Competitive Conversion Tool:** Created a web-based tool for cross-referencing part numbers and descriptions against corporate master parts list. Key features include: part information import via Excel parsing, automatic part assignment via division information, historic part conversion information for use in future matching, quick search feature, and live reporting.
  - Developed weighted matching system designed to bring visibility to relevant match criteria.
  - Improved match accuracy leading to expanded search criteria and increased conversion rate.
  - Modified framework log in and access rights functionality to interface with 3M's single sign-on process (SAML 2.0).
- **SourceOne Order Entry System:** Worked with team to develop web-based application used for managing orders, invoices, and payment distributions across multiple member companies.
  - Designed mobile scanner applications (C#, .NET, Windows Mobile) for managing and reporting warehouse inventory via bar code scanning and quantity entry. Created server side process to automatically generate orders based on low quantity.
  - Developed bar code printing from master data parts list.
  - Wrote process for splitting payments amongst member companies based on total part value sourced by each member.

## Waddell & Reed, Inc.

*Intern/Unlicensed Assistant*

Arden Hills, MN  
Sept. 2006 – June 2007

- Developed, managed, and implemented a direct marketing campaign to generate new clients.
- Gained experience in the financial planning field by gathering materials for client presentations and role playing with veteran planners.
- Learned the differences between many of the financial products by working with them on a daily basis.

## Bethel University: Information Technology Services

*IT Assistant*

Arden Hills, MN  
Sept. 2004 – Sept. 2006

- Gained customer service experience while answering phone calls from students having trouble with the school's network and public computer equipment.
- Improved technical skills by diagnosing and repairing computer related problems.
- Performed basic maintenance on all supported printers and hardware.
- Maintained high level of organization and detail while entering information into database system.

## E D U C A T I O N

2003 – 2007 B.A. Business Finance

Bethel University