

Michael Runnels

Senior Developer
University of Wisconsin-Madison
Department of Civil and Environmental Engineering

1210 Engineering Hall
1415 Engineering Drive
Madison, WI 53706
(608) 265-9366
mrunnels@engr.wisc.edu



Education	<p>Continuing Studies in Graduate Level Computer Science, University of Wisconsin—Madison</p> <p>Bachelor of Science Degree, University of Wisconsin Stout, Menomonie WI May 1993</p> <p>Major: Industrial Technology</p> <p>Concentration: Electronics/Computers</p> <p>Graduated Magna Cum Laude with a GPA of 3.7</p>
Positions Held	<ul style="list-style-type: none">• Senior Developer – TOPS Lab (August 2005 - Present) <p>Development of the web-based V-SPOC application suite. The modules being developed are super-thin client and open-source utilizing Java and JSP. The project is designed to make it easy for users to select detector data and output the selected data to excel files or interactive graphs.</p> <ul style="list-style-type: none">• Systems Programmer – Sesame Project (January 2002 – August 2005) <p>Java programming in a client-server database transaction environment. Development of pure Java modules utilizing JDBC connectivity to an Oracle database. Specializing in multi-tier development and testing. Working at the University has given me the opportunity to be part of a dynamic and research-oriented team environment. As members of the academic staff our team focuses on writing efficient and scalable code while keeping in mind the wide range of potential uses that our system has on the research community.</p> <ul style="list-style-type: none">• Team Lead Enterprise Solutions Practice (May 1999 – August 2001) <p>Development of client-server systems for various customers. Skills utilized include: Implementing all phases of development methodology, programming of GUI and backend functions using VisualAge Generator, integrating DB2 database transactions into our systems, and mentoring client developers.</p> <ul style="list-style-type: none">• Systems Programmer (CUNA Account) (February 1996 – November 1998) <p>Majority of programming was in PowerBuilder with some MicroFocus COBOL batch programs interfacing with MS SQLServer databases. Several of the older client-server PowerBuilder applications needed me to evaluate, re-design, construct, document, and implement them at our customer site. Another area of concern involved the MS SQLServer databases which required new backup scripts, triggers, stored procedures, indexes, etc.</p>

- Systems Programmer (NAO Finance) (February 1994 – January 1996)

Large scale mainframe program design and development. COBOL II and PL/1 running in an IMS environment and interacting with DB2. JES2 and JCL were utilized to interact with the operating system and instruct the processing of all batch jobs. Team environment using a complete system (design through deployment) methodology.

- Army Reserve (1986 – 1994)

Rank Achieved: Staff Sergeant Years Service: 8 yrs.

Duties and Accomplishments: Squad leader in charge of organizing and training my troops in classroom and field activities, inspecting and maintaining financial and administrative records, and personal counseling of my squad members.

Army Achievement Medal & National Defense Service Medal (Desert Storm)

Selected Current Projects	V-SPOC. Volume, Speed and Occupancy Detector Data Application Suite. A web-based set of interface modules developed under the guidance of the Milwaukee Traffic Operations Center (WisTOC).
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