Scott McKellips

Junior Full Stack Developer Profile

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Reliable professional with experience in program management, stakeholder engagement, security operations, and strategic planning looking for a long-term position as a Junior Full Stack Developer. Inquisitive self-starter with in-depth expertise in operations, administration, regulatory compliance, training, and budget management. Passionate about expanding knowledge on innovative technologies and collaborating with cross-functional teams inside and outside tech to propose real-world solutions and positive user experiences.

Technical Proficiencies

Computer Science & JavaScript: Algorithms (Searches, Sorts), Efficiency, Time Complexity, Big O Notation, Data Structures

Browser-Based Technologies: HTML, CSS, JavaScript, Python, Amazon Web Services, C#, jQuery, Responsive Design, Bootstrap, Handlebars, Local & Session Storage, IndexedDB

Databases & API Interactions MySQL, MongoDB, API, JSON, AJAX

Server-Side Development: User Authentication, Progressive Web Applications (PWAs), MERN Stack

Development Tools: Github, Insomnia, Heroku, Apollo GraphQL

Recent Projects

MERN Stack 'To-Do' List: A simple To-Do checklist utilizing CRUD functionality with Apollo GraphQL and pushed to Heroku.

streamline- Full Stack Application: A full stack application utilizing CRUD functionality designed to track the streaming service your favorite movies are streaming on and pushed to Heroku.

Meditation Buddy- Front End: A website that cycles through inspirational quotes and calming image APIs and deployed on Github Pages.

Just Tech News- Python: A Python application I use to keep track of complex troubleshooting issues I have encountered to help in my understanding of coding (deployed on Heroku.)

Weather Dashboard- Server API: A weather forecasting tool for any city utilizing the openweathermap.org API deployed on Github Pages.

Education

Full Stack Web Development, 2022
University of Wisconsin- Extended Campus, Madison, WI

Business Administration in Accounting and Finance Coursework
Keller Graduate School of Management, Waukesha, WI

Bachelor of Science in History and English
University of Wisconsin Madison, Madison, WI

Professional Experience

Transportation Security Administration (TSA), Dane County Regional Airport, Madison, WI
Transportation Security Manager   **December 2009 – Present**

Oversee and coordinate TSA security activities, managing, designing, and evaluating security programs and screening procedures to ensure alignment with policies and regulations. Author and institute novel computer-based learning tools to assist over 84 officers in enhancing leadership, inventory management, performance, and communication skills. Review a large volume of metadata to write and introduce novel programs that enhance throughput rates, call off rates, and equipment performance. Liaise with senior leadership to share expertise on workflows and business processes. Assess operational strategies and implement changes for continuous improvement. Elaborate detailed incident reports and author informational briefings for key stakeholders. Perform a variety of technical screening procedures and use cutting-edge equipment.

- Successfully adjusted operational activities to address issues involving Advanced Imaging Technology.
- Delivered large-scale, critical projects within aggressive timelines and budget parameters
- Spearheaded pilot program testing viability of the Online Learning Center serving 150+ officers.
- Developed and implemented an improved Inventory Accountability and Tracking Access Database program.
- Designed performance improvement program leading to a 40% success rate increase in field testing.
- Mentored and trained 14 employees into achieving high approval ratings on four most recent TSA FEV surveys.

Additional Experience

RF Systems Performance Technician & Engineer, Verizon Wireless, Madison, WI

Supported the start-up Engineering Team that launched the Code Division Multiple Access network for Verizon Wireless Network in Wisconsin. Routinely assessed the statistical performance of every cellular telephone tower to determine each tower's effectiveness within the cellular network's coverage footprint. Adjusted antennas, power, and software to optimize the network's performance to account for seasonality, construction, load degradation, and emerging technologies.

- Played a vital role in the inauguration and optimization of over 70 cell towers.
- Engineered a dropped call rate of less than 1.5% and access failure rate of less than 1%.

United States Army

Satellite Communications Ground Station Equipment repair and maintenance.

- Top Secret/ SCI security clearance.
- Ground mobile, jam-resistant secure communications.

Professional Training

- Behavior Detection and Analysis, Washington DC, 2015
- Effectively Managing Security Operations (EMSO), Atlantic City, NJ, 2015
- Leading People and Managing Operations (LPMO), Potomac, MD, 2014
- Leading Through Change (LTC), Detroit, MI, 2013
- Leading Effective Workgroups, Washington DC, 2009