

Senior Web Developer Senior Web Developer Mechanical Engineer Vail, AZ Seeking full-time employment as a Mechanical Engineer working in energy and building efficiency environments. Experienced in HVAC, LEED, energy production, green building, building efficiency, energy efficiency, and much more. Master's of Science in Mechanical Engineering and experienced in a wide range of professional acumen. Authorized to work in the US for any employer Work Experience Senior Web Developer Self-Employed, JP Drake Enterprises, LLC - Huachuca City, AZ August 2008 to Present I have worked in a variety of roles developing marketing media, commercial video, and optimizing websites for maximum traffic. My experience includes developing and building websites from scratch using code, as well as design tools. Blog writing, content management, and content strategies have also been an area of focus for my work. I have written and edited several articles with some that have reached more than 5,000 views. (See here: <https://www.linkedin.com/pulse/why-its-so-damned-hard-get-engineering-job-days-josh-drake/>) In addition, I can provide video production and online video optimization services, including improving video quality, sound quality, special effects, and more. I can write a script, build a full length video or short 30 second commercial. If you're looking for a digital expert, I have the experience and professional knowledge to give your project the quality that it needs. Mechanical Engineer US Army - Fort Huachuca, AZ February 2015 to February 2018 Completed a comprehensive training program in facilities engineering and maintenance, including Project Management, HVAC Design, Controls, Balancing, and Commissioning, LEED and Green Building, and more Assigned to several projects as acting Project Manager Responsible for writing detailed scopes of work, creating detailed drawings and calculations, including HVAC estimates, and interacting with project contractors to ensure quality control practices are being maintained Mechanical Engineer, Operations & Maintenance Bureau of Reclamation - Coulee Dam, WA June 2014 to February 2015 Responsible for overseeing engineering projects related to the Right Rower House of the Grand Coulee Dam, including operations of six 125 MW hydropower generators Responsible for engineering safety into the power house, from structural analysis of the facility, to harnesses and sling loads of various rigging equipment Designed and managed various engineering projects using FEA, 3D design,

and project management, including design and management of a 5,000 GPM pump system  
Education LEED AP Building Design and Construction Air Force Institute of Technology - Huachuca  
City, AZ December 2016 Master of Science in Mechanical Engineering Northern Arizona University -  
Flagstaff, AZ August 2012 to May 2014 Bachelor of Science in Mechanical Engineering Northern  
Arizona University - Flagstaff, AZ August 2009 to May 2012 Facility Electrical Power System Design  
Air Force Institute of Technology Project Management Air Force Institute of Technology Gas  
Technology Institute Skills Product Development (3 years), Solidworks (3 years), Drafting (5 years),  
Research (4 years), machine design (3 years), machine shop (1 year), Inspection (3 years), Quality  
Assurance (3 years), Microsoft Office (10+ years), Statistical Analysis (5 years), Finite Element  
Analysis (2 years), Project Management (3 years), Systems Engineering (3 years), Large Machinery  
Engineering (4 years), HVAC Engineering (4 years), OSHA 30 Hour (3 years), Thermal Transfer  
Analysis (3 years), Lubrication of Mechanical Equipment (4 years), Construction Project  
Management (4 years), Web Development (10+ years), Web Design (5 years), Web Copy Writing  
(10+ years), Technical Writing (10+ years), HTML (5 years), CSS (5 years), JavaScript (2 years),  
PHP (3 years), Adobe Photoshop (10+ years), Adobe Premiere Pro (10+ years), Commercial Video  
Writing (10+ years), Search Engine Optimization (5 years), Front End, Drupal, CAD, Engineer,  
Autodesk, Labview Military Service Branch: US Army Service Country: United States Rank:  
Specialist October 2001 to October 2003 Served as an Infantryman and Team Leader in the US  
Army Infantry. Trained with other soldiers to perform cohesive combat operations in hostile  
environments. Injured during training. Certifications/Licenses LEED AP BD+C December 2016 to  
December 2018 Credential ID: 10995853-AP-BD+C OSHA 30 Present

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