

Daniel M. Muschett H.

Civil | Geotechnical Engineer

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Accomplished Civil Engineer offering 17+ years of infrastructure and construction project management and design.

 Proven history of guiding project success by leveraging exceptional design and construction management skills.

Cost-effective and performance-driven leader with expertise in geotechnical engineering.

Work History

2009-10 - Current

Civil Engineer

Panama Canal Authority, Panama, Panama




- Perform geotechnical analysis and designs of Capital and Operational infrastructure projects involving slopes stabilization, retrofitting works of earthen structures, shallow and deep foundations, retaining structures, treatment of problematic soils, among others.
- Manage conceptual design projects while providing task management and technical contributions to multidisciplinary teams to bring innovative solutions to civil infrastructure problems.
- Provide technical guidance to young staff geotechnical engineers.
- Provide technical and professional engineering support services in design, construction, and geotechnical engineering for Capital and Operational projects.
- Monitor construction of contract work for compliance with design plans and specifications.



2007-04 - 2009-10

Technical Office Manager

BAUER Fundaciones Panama, S.A., Panama, Panama

- Executed and supervised geotechnical works such as deep foundations, soil improvement, and retaining structures.
- Project Manager for deep foundations works. 
- Prepared technical and economic proposals for local and Latin America construction market.

2004-10 - 2007-04

Maintenance and Project Engineer

Coca-Cola FEMSA De Panamá, Panama, Panama

- Oversaw execution and supervision of industrial maintenance works regarding infrastructure and building facilities.
- Reviewed and approved plant construction and expansion works.
- Liaised civil and industrial engineering personnel.

2003-07 - 2004-10

Project Engineer

Constructora Urbana, S.A., Panama, Panama

- Oversaw construction of public and private infrastructures, including port facilities, drainage systems and roads.

- Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
- Liaised with local authorities during public infrastructure projects.

Education

2012-08 - 2014-05	Master of Science: Civil Engineering <i>Purdue University - West Lafayette, IN</i>	
2003-01 - 2007-01	Master of Science: Structural Engineering <i>Universidad Tecnológica De Panamá - Panama City, Panama</i>	
1997-01 - 2002-01	Bachelor of Science: Civil Engineering <i>Universidad Santa María La Antigua - Panama City, Panama</i>	

Skills

Proficiency in geotechnical design			<div><div></div><div></div><div></div><div></div><div></div></div>
Problem solving			<div><div></div><div></div><div></div><div></div><div></div></div>
Adaptability			<div><div></div><div></div><div></div><div></div><div></div></div>
Superior time management			<div><div></div><div></div><div></div><div></div><div></div></div>
Team management			<div><div></div><div></div><div></div><div></div><div></div></div>

Accomplishments

- Principal designer of Gatun Dam Remedial Works.
- The J. William Fulbright Foreign Scholar 2012-2014.

Software

Geotechnical & structural design modeling softwares	<div><div></div><div></div><div></div><div></div><div></div></div>
Microsoft Project	<div><div></div><div></div><div></div><div></div><div></div></div>
Microstation / InRoads	<div><div></div><div></div><div></div><div></div><div></div></div>
Autocad	<div><div></div><div></div><div></div><div></div><div></div></div>

Languages

Spanish		<div><div></div><div></div><div></div><div></div><div></div></div>
English		<div><div></div><div></div><div></div><div></div><div></div></div>

Certifications

Junta Técnica de Ingeniería y Arquitectura Panamá | Credential ID: 2002-006-099