phd.smarquez@gmail.com
ZAPOPAN, JALISCO MEXICO

SALOMON MARQUEZ

TECHNICAL WRITER, DATA ENTHUSIAST, AND RESEARCHER

LINKEDIN | GITHUB
SCHOLAR | PORTFOLIO

PROFESSIONAL EXPERIENCE

Senior Technical Writer	**Wizeline, Mexico**	**Oct 2020 – Present**

- Produced a descriptive architecture guide that helped the development team to comprehend the overall technical vision of the client
- Created how-to guides that helped developers to connect to Aurora MySQL databases, monitor resources using Grafana, manage parameter stores with Terraform, deploy applications using Octopus, and query data using AWS Athena
- Implemented a docs-as-code approach to deliver client's technical documentation in a static site powered by Hugo and hosted in GitLab Pages

Technical Writer	**Wizeline, Mexico**	**Oct 2019 – Oct 2020**

- Understood the business logic of clients and supported their processes by creating glossaries, policies, and user guides
- Created sequence diagrams and API documentation that helped developers to understand the flow of transactions for payment processors including Stripe, BlueSnap, and Apple Pay
- Speaker of the TW Academy 2020 of the session How to Write Software Architectures

Associate Researcher	**Center of Research in Optics (CIO), Mexico**	**Jun 2017 – Jun 2019**

- Investigated lab-on-a-chip nanoplasmonic and microfluidic devices for biosensing applications
- Mentored undergraduate students
- Published three scientific papers in peer-reviewed journals

PhD Student	**ICN2 – NanoBiosensors and Bioanalytical Applications Group, Barcelona Spain**	**Sept 2011 – Jul 2016**

- Designed, fabricated and validated a mass sensing platform based on arrays of hollowed micromechanical sensors
- Modeled fluid-structure interaction problems for determining the fracture stress of thin films, and for evaluating 3D fluidic schemes
- Published five scientific papers in peer-reviewed journals

Professor	**DICIS - University of Guanajuato, Salamanca Mexico**	**Jan 2011 – Aug 2011**

- Taught the following courses: Linear Algebra, Calculus III, Physics II and Complex Variables

EDUCATION

- **Udacity**
  Data Engineering Program (2020-Present)
- **Catalan Institute of Nanoscience and Nanotechnology, Autonomous University of Barcelona, Spain**
  Ph.D. in Electronics Engineering (2011-2016)
- **Center for Research and Advanced Studies of the National Polytechnic Institute (CINVESTAV-IPN), Mexico**
  M.S. in Electrical Engineering (2008-2010)
  Courses: Human Anatomy, Physiology, Physical Chemistry, Medical Instrumentation, Electrical Security
- **University of Guanajuato, Mexico**
  B.S. in Communications and Electronics Engineering (2002-2008)
- **West Virginia University, Morgantown, WV**
  Courses: Digital Image Processing, Antennas, Information Theory, Neuromorphic Analog VLSI (Spring 2007)

SKILLS

Technical

- Amazon Web Services ●●●○○
- Google Cloud Platform ●●○○○
- APIs ●●●●○
- GitHub ●●●●○
- Python ●●●○○
- MySQL ●●●○○

Soft

- Leadership ●●●●●
- Presentation Skills ●●●●●
- Proofreading ●●●●●
- English ●●●●●
- Spanish ●●●●●

CERTIFICATIONS

AWS Cloud Practitioner Certification (2021)