



# Sergio Hidalgo Granados

Systems Engineer



## Systems Engineering Graduate

Fidélitas University  
March Graduate 2024



### Contact

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### Personal References

-  : Computer System Engineer.  
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-  : Web Developer Engineer.  
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### University Work References

-  : Computer Systems Engineer.  
Alonso Chavez Carrillo.  
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-  : Computer Systems Engineer.  
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### Languages

-  : ●●●●● Native
-  : ●●●●● Basic Intermediate

### Profile

Summary of qualifications: Qualified professional in computer science with 5 years in course projects of the prestigious Fidélitas University, with basic experience of knowledge in the principles and bases of computing in the first years studied. Providing me also knowledge of agile methodologies such as waterfall, kanban and the one that was most used and interacted in the course projects carried is Scrum, in various projects such as Software Quality Control and multiplatform coding; Experience and knowledge in software development, web page testing, as well as applications for cell phones on different platforms such as: IOS and Android as well as tablets, also gained experience and knowledge in management and development of databases. I also gained knowledge and skills in project management, analysis, planning, implementation, development, problem solving and retrospective of these. The university also provided me with basic knowledge to develop skills in CCNAv7, switching, routing and wireless essentials, user interface design among other things. I am a results-oriented person, collaboration, communication and team, looking to develop work experience, knowledge and personal growth and apply the knowledge acquired.

### University Experience

**Fidélitas University (January 2019 to August 2023).**

#### Quality Assurance Analyst:

- ✓ Performed Smoke Testing, Functional Testing, Sanity Testing, Black Box Testing, White Box Testing.
- ✓ Test web applications by verifying functionality, performance, and device compatibility.
- ✓ Test pre-release web application by verifying functionality, data content, performance, usability, and software compatibility.
- ✓ Technical skills, Analytical and logical thinking, Communication skills, Creativity applied to problem solving.
- ✓ Work closely and communication with development colleagues who were the owners of the product, functional test, non-functional testing, scalability tests, integration tests, unitary unit test.
- ✓ Plan and run tests, document errors, and validate correction, collaborate with other teams, Test Automation.
- ✓ Knowledge of computing and programming, analysis and problem-solving skills, communication, and teamwork skills.
- ✓ Work as a member of an Agile SCRUM team delivering high-quality software in a short time under pressure.
- ✓ Coordinate and control the execution of tests for different projects.
- ✓ Write accurate, detailed and reproducible bug reports.
- ✓ Execution of test case and execution of test plans.
- ✓ Integration tests, regression tests and UAT (User acceptance Testing)

#### Tools:

Internet information services like Microsoft Visual Studio, Swagger, Web services, Chrome (Inspect element and mobile emulator), Jira, Databases: SQL Server, MySQL, Apache JMeter, Azure DevOps Services, Git, Postman, MS Office, SEO (Search Engine Optimization), On the web: inspect web page.



#### Methodology:

Scrum

## Skills

-  : Computer terminals, devices, and communication technologies (ICTs).
-  : Everything related to programming languages.
-  : Quality assurance analyst, attention to detail and proactive, technical knowledge, Analytical skills, Collaboration and communication, Focus on Continuous Improvement.
-  : Relational, non-relational, in-memory, graph and object Databases
-  : Networks, LAN, MAN, WLAN, CAN, SAN, VLAN, PAN, Servers, API,
-  : UI, Modeling and Prototyping, User interface, Typography, Theory of color, Scheme, Navigation guide, Accessibility, Affordability

## Academic Titles

-  : Bachelor's Degree in Secondary Education
-  : University bachelor's degree in computer systems

## Certificates

-  : Cisco Certified Network Associate Version 7.0 (CCNAv7)
-  : Scrum Fundamentals
-  : Java
-  : JavaScript
-  : Css3
-  : Html5
-  : PHP
-  : SQL

## Software and Web Development:

- ✓ Meetings with project stakeholders
- ✓ Analysis, planning and modeling of requirements communicating with a real client.
- ✓ General Software Programming: Web, Web applications and patterns, Applications, programs and games
- ✓ SQL Server, SQL Developer, MYSQL Workbench, Maria DB, NoSQL
- ✓ Microsoft Office, Microsoft Power BI, Chat bot.
- ✓ Client/Server Web environment, Concurrent client/server programming.
- ✓ Documentation of requirements, ideas, improvements, recommendations and solutions.
- ✓ Cybersecurity, Data structures, UX & UI Design: Usability, Responsive, Attractive Content, Loading Speed, Accessibility, Interactivity, Continuous Update and Project implementation.
- ✓ Azure DevOps Service, Azure Git, division of tasks between team members, build, release, pipeline, work item, Pull & Push request.
- ✓ Asp.Net N-Tier, Asp.Net Framework, Asp.Net Core, Asp.Net MVC Web forms.
- ✓ N-Tier Programming Architecture with Asp.Net core.
- ✓ Data Base-Tier, Data Model-Tier, Data Access-Tier, Business Logic-Tier, Backend-Tier and Presentation-Tier.
- ✓ Using Helpers to do the Create, Read, Update and Delete in the presentation layer.
- ✓ Working under pressure and to be subject to changes.
- ✓ Error Handling, Debugging, Breakpoints: Conditional, Trace, Temporary, Dependent Break.
- ✓ Programming paradigms.
- ✓ Software Quality assurance.
- ✓ Create Test Cases document based in user stories and requirements.
- ✓ Work closely with development team, considering reliability, usability, performance, maintainability and security.
- ✓ Document and report the tests that passed and those that did not pass.
- ✓ Smoke testing, functional testing, UI testing, UAT.
- ✓ Bugs fixing and regression testing.
- ✓ Delivering the project.

## Programming languages and platforms:

Web API, Net Framework 4.7, Net Core 8, ASP.NET, Rest/Api WPF, C#, Dependencies, Packages, Plugins, Web Services, PHP, HTML, Css3, Bootstrap 5, Ajax, Swagger, Java, JavaScript, RxJS (React extensions for Java Script), C++, Dart, Flutter, Firebase, Go (Golang), Tdm-gcc (Rust, C, C++). GNAT Community Studio (ADA, Ada core), Pascal, Unity, Gcode, NodeJs, Angular, MVC, Json, Strawberry perl (Perl), Servers admin (Basic), development and admin, Project Management, Server administration, System auditing, Computer Security, Computing and society, home automation, Networking CCNAv7, Digital Electronics and microprocessors.

## Tools:

Draw.io, Office365, Visual Studio Community 2022, Visual Studio Code, Azure DevOps Services, Git repos, Git-Hub, Git Bash, Jira, Figma, Postman, Swagger, Flutter-Flow, PowerBI, Dialog flow (Chatbot JS), ChatGPT, ChatGPT4, Copilot, On the web (Inspect web page and view source code) XAMPP.

## Methodology:

Agile methodologies such as Scrum, Waterfall, Kanban and Freelance.

## Databases:

SQL Server, NoSQL (Only on cell phone devices), Oracle SQL Developer, Data Warehouse and multi-dimensional DB, Relational DB, MySQL, Maria DB, MongoDB, Toad DB, Azure, PostgreSQL, Stored Procedures.

## Servers:

Azure Devops Services, WLS(Windows Live Server), XAMPP (Apache web server, MySQL, MariaDB, Perl, PHP), Tomcat Apache, Go (Golang), Netlify, Windows Server, Red Hat (Linux) and Ubuntu (Linux).

## Travel documents



: Passport Available.



: Licenses: B1, C1, A3.

## Hobbies



: The Basketball.



: The Video games.



: Logic and being competent.



: Information and communications technologies.



: Programming and development of computer systems, web pages, applications, video games, the code as such.



: Learn everything I can, reading and practicing, not only from computers, I mean everything that feeds knowledge.



: My family is mi home, they are my nucleus.



: Go out to eat with my family



: The old cars.



: Jazz music, smooth jazz to be more specific.



: Flora and fauna, ecological reserves, Parks, green areas, rivers, the sea and the ocean, everything about animals.

## Curriculum Web Page



: Click here ➡

## User interface design

- ✓ Buttons, spacers, typography and icons, margin, border, Padding and don't overlook any details.
- ✓ Definition and creation of color palettes that fit the branding of the brand or digital product.
- ✓ Mastery of typography, fonts, typographic hierarchies and Creating layout and visual prototyping of interfaces
- ✓ Definition of spaces between elements, placement of these, Decide and define typographic hierarchy.
- ✓ Design the interactions and micro interactions that will occur in the interface elements.
- ✓ Present concepts, ideas and well-founded design solutions to stakeholders.
- ✓ Develop and maintain the necessary documentation of design guidelines for consistent and graphically coherent product development.
- ✓ Present concepts, ideas and well-founded design solutions to stakeholders.
- ✓ Design layouts and properly space elements on a page.
- ✓ Improve and modernize existing design environments.
- ✓ Ensure designs adapt to multiple device types (responsive design)
- ✓ Display interactive elements, such as buttons, sliders, toggles, icons, drop-down menus, and text fields.
- ✓ Choosing color palettes, fonts and typesetting
- ✓ Preparation of style guides to achieve a consistent brand identity throughout the company.
- ✓ Create wireframes or hi-fi designs to show the look and feel of an interface with visual and branding elements included.
- ✓ Communicate with developers to ensure features are implemented as intended.
- ✓ Analyze the impact of design and usability changes

### Tools:

Figma, Adobe Color CC, Google Fonts, What Font Is, Mock flow. CSS3 Button Generator. HubSpot, Favicon, Flat-Icon, Notepad++, Pencil,

### Methodology:

Waterfall