

# Jonathan David Avendaño Ortega

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## Profile

Full-Stack Developer with over 5 years of experience in ReactJS, NodeJS, and Agile methodologies. Expertise in delivering scalable, accessible and user-centric solutions, including e-commerce platforms and virtual learning applications. Experienced in both software development and site reliability engineering (AWS), with a proven track record of optimizing legacy systems, developing modern solutions using cutting-edge technologies like React, TypeScript, and cloud-based infrastructures and implementing WCAG web accessibility standards. Strong background in functional and logical programming, with a published research paper in computational imaging. Interested in opportunities with Back-end programming languages like Python, Go, JavaScript and TypeScript, with over 4 years of daily experience working in multicultural English-speaking teams. Active participant and organizer in tech communities, contributing to events like ScaleConf and JSConf Colombia to share and expand knowledge. Passionate about continuous learning and mentoring new developers.

## Experience

- **Software Developer**

*SOMBRA*

Nov 2023 - Present

- Maintained and optimized a legacy project for AgingCare (APlaceForMom) services.
- Developed a new website incorporating WCAG web accessibility standards.
- Technologies: .NET, Razor, jQuery, Azure, Bootstrap.

- **Full-Stack Developer**

*Perficient*

Aug 2021 - Jul 2023

- Built an application for viewing and purchasing vehicles for Ford LATAM.
- Implemented functionalities to view detailed features of vehicles and enhance the user experience in the e-commerce domain.
- Technologies: ReactJS, Recoil, AEM, NestJS.

- **Site Reliability Engineer (SRE)**

*NodeSource*

Apr 2021 - Jun 2021

- Maintained infrastructure using AWS, Terraform, Ansible, and Docker.
- Developed and deployed robust pipelines for CI/CD.
- Technologies: AWS, Ansible, Terraform, Troposphere, Docker.

- **Full-Stack Developer**

*S4N*

Feb 2020 - Apr 2021

- Designed and maintained features for an asynchronous virtual learning platform (S4N Campus) based on Open edX.
- Facilitated knowledge sharing and improved team skillsets through technology workshops.
- Technologies: ReactJS, Docker Compose, Java with Spring, Python with Django.

- **Teaching Assistant**

*National University of Colombia*

Jan 2016 - Apr 2020

- Taught logical and functional programming, emphasizing Haskell, Scheme, Scala, and Prolog.
- Mentored students in advanced programming paradigms and graph-oriented databases.

- **Consultor All Fellows Conference 2018**

*ECHOING GREEN*

Oct 2018

- Experience in organizing events and Logistics

## Publications

- **Automatic Skin Lesion Segmentation on Dermoscopic Images Using Superpixel Merging**

- Published: 2018.
- [Link to paper](#) | [GitHub repository](#)
- Language: Python.

## Volunteering

- **ScaleConf Colombia** ([scaleconfco.com/](https://scaleconfco.com/)) (2017 - Present)

- Co-organized conferences on scalability, distributed systems, and DevOps, attracting 350+ attendees annually.

- **Medellín DevOps** ([meetu.ps/c/2BLZK/9ICQY/d](https://meetu.ps/c/2BLZK/9ICQY/d)) (2017 - 2023)

- Co-organized meetup on scalability, distributed systems, and DevOps.

- **JSConf Colombia** ([jsconf.co/](https://jsconf.co/)) (2018 - 2023)

- Organized events focused on JavaScript and modern web development.

- **NodeConf Colombia** ([nodeconf.co/](https://nodeconf.co/)) (2019 - Present)

- Managed logistics for Node.js-focused events.

- **Coderise** ([coderise.org/](https://coderise.org/)) (2015, 2017)

- Guided young developers through introductory software development courses.

## Education

- **National University of Colombia Medellín branch** ([unal.edu.co/](http://unal.edu.co/))  
Systems and informatics engineering, 2014 – Now.
- **Coderise** ([coderise.org/](http://coderise.org/)).  
Software development course, 2012.

## Technical Skills

- **Languages:** JavaScript, TypeScript, Python, Go, Java, SQL, Haskell, Prolog.
- **Frontend:** ReactJS, Recoil, Bootstrap, HTML, CSS, Bootstrap, Material, Tailwind .
- **Backend:** NodeJS, NestJS, Express.js, Django, Spring, AEM, .NET.
- **Infrastructure:** AWS, Docker, Vagrant, Terraform, Ansible, Azure.
- **Databases:** MongoDB, MySQL, graph-oriented databases.
- **Other Tools:** Git, GitHub, GitLab, CI/CD pipelines.

## Languages

- **Spanish:** Native.
- **English:** Advanced (C1).