

SAAVAN NANAVATI

www.saavan.dev | saavan.nanavati@gmail.com | [512-656-2199](tel:512-656-2199)

PROFESSIONAL EXPERIENCE

Valon – Senior Software Engineer

Dec 2023 – May 2024

- Designed critical event ledger technology, using Python, for a \$1B unicorn startup that sells mortgage servicing software.
- Worked on Payments team, responsible for properly transferring and accounting for \$XXX million in monthly recurring payments.

Google – Software Engineer

Aug 2021 – Aug 2023

- (Google Core) Launched a heavily-requested MarkOps platform saving \$XX million, receiving peer awards in the process.
- (Google Cloud Dataflow) Built a [900% faster](#) Cython-optimized runtime [type checking system](#) for the Python SDK of Apache Beam.
- (Google Cloud AppSheet) Shipped the Desktop UI for Google’s no-code automation platform, increasing 30-day retention by XX%.
- (Google Cloud AppSheet) Leveraged Vertex LLM to auto-fill forms from unstructured voice input, intelligently regenerating values.
- (Google Chrome Lighthouse) Developed audits that can auto-detect browser anti-patterns and bloated JS dependencies for PWAs.

Fix The Mortgage – Software Engineer

July 2020 – Aug 2021

- Developed a [lead generation website](#) for a PropTech startup using React, C#, SQL, serverless functions, Postman, and Salesforce.
- Directly responsible for an A/B tested \$XX million increase in revenue after releasing a dynamic retention algorithm built using C#.

YouTube Night – Software Engineer

Aug 2019 – Jul 2020

- Developed a [Chrome extension](#) for synchronized YouTube [co-watching](#) using React, Redux, Node, WebSockets, Docker, and AWS.
- This product gained 300+ users within the first month and was later absorbed by YouTube itself after pitching to YT’s Desktop PM.

University of Texas at Austin – Software Engineer

Sep 2017 – Aug 2019

- Updated the department’s internal software research tools, transitioning the codebase from legacy code to .NET, C#, and React.
- Scraped 500,000+ webpages of employee data from the Government of Columbia using binary search on distributed cloud servers.
- Trained an LSTM neural network to predict an employee’s gender from their name (Python, Jupyter, and GCP) with 95% accuracy.
- Assisted [Michael Findley](#) with a research paper to analyze the gender affinity for different political parties in Columbia’s election.

City of Austin – Software Engineering Intern

May 2017 – Sep 2017

- Developed a data pipeline for analyzing voting patterns by scraping unstructured city council meeting transcript data using Python.
- Classified [votes](#) with a TensorFlow NLP model, allowing the Mayor to pass a major bill through efficient political capital allocation.

LEADERSHIP AND SERVICE

Free to Run – Software Engineering Volunteer

2022 – Present

- Enable women in [conflict-afflicted regions](#) to access outdoor activities & sports by fulfilling all CRM integration & API needs.

Momentum Scholars, 501(c)(3) – Founder

2015 – Present

- Provide free [tutoring services](#) to underprivileged students in Austin by [partnering](#) with organizations (e.g., Dell, City of Austin).
- Lead our education and fundraising initiatives (e.g., middle school coding camps, fundraising drives, 1:1 STEM tutoring programs).

EDUCATION

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|-----------------------------------|-------------------------------------|----------------------------|-------------|
| The University of Texas at Austin | Bachelor of Science | Computer Science | May 2021 |
| | Bachelor of Business Administration | Business Honors | May 2021 |
| Universidad de San Andreas | Buenos Aires, Argentina | Business Honors Management | Summer 2018 |

ADDITIONAL INFORMATION

I have been a full-time software engineer since 2017. I’m a debate [state champion](#) / placed [8th nationally](#), and ranked [5th](#) in chess across the state / tied for [13th](#) nationally. I was an ERG Lead for Google Austin, co-lead for Google Core DEI, and a Google Accessibility Curriculum Designer. I love running and have a rescue dog [Storm](#). For more info, please visit [here](#). Thanks!

Frontend Skills JavaScript, TypeScript, React, Redux, Next.js, GraphQL, Angular, Django, Accessibility (A11y), Core Web Vitals
Backend Skills Python, C#, .NET, Java, Node.js, Go, SQL (MySQL, PostgreSQL, MS SQL), GCP, AWS, Docker, Git, Jira, Figma