{ 'Cody Carlson': 'Software Engineer' }

```
------------------------------------------------------------------------------
        Sep 2021 - Nov 2021    | Suite Studios                | Principal Front-End Architect
        Jan 2015 - Oct 2021    | Alfi                         | Principal Front-End Engineer
------------------------------------------------------------------------------
```

Consulting | Contracting

```
------------------------------------------------------------------------------
        Aug 2020 - Jan 2021    | Eldercounsel                 | Senior Full-Stack Engineer
        Sep 2019 - Dec 2019    | Swisslog Healthcare          | Front-End Architect
        Jul 2019 - Sep 2019    | CP&B (Crispin, Porter & Bogusky) | Full-Stack Technical Lead
        Oct 2018 - Mar 2019    | Huron Consulting Group       | Lead Front-End Engineer
        Apr 2018 - Oct 2018    | Arrow Electronics            | Full-Stack Web Engineer III
        Jan 2017 - Mar 2018    | CVS                          | Sr. Web Engineer
        Apr 2017 - Sep 2017    | APR (Advertising Production Resources Consulting)| Full-Stack Technical Lead
        Oct 2016 - Mar 2017    | BlndSpt                      | Consultant
        Apr 2016 - Sep 2016    | HealthGrades                 | Lead Front-End Engineer
        May 2015 - Dec 2015    | Oppenheimer Funds            | Sr. Front-End Engineer
------------------------------------------------------------------------------
```

Full-Time Employment

```
------------------------------------------------------------------------------
        Apr 2014 - May 2015    | Colorado State, CDHS         | Application Developer
        Nov 2013 - Feb 2014    | PlaceWise Media              | Application Developer
        Jun 2013 - Nov 2013    | Active Network               | Front-End Developer
        Apr 2013 - May 2013    | Null Empire                  | Full-Stack Developer
        Nun 2012 - Jan 2013    | BieMedia                     | Software Developer
------------------------------------------------------------------------------
```

Sep 2021 - Nov 2021 | Suite Studios | Principal Front-End Architect

Tags: Video Production, Post-Prod

Scope
- *Process*: 2-week Agile (Lean) | CI/CD | SPA | Monorepo
- *Projects(2 phase)*: Design | Architecture & Development

Environment | Technologies
- Svelte | Sveltekit | svelte-dk-router | Rollup | Vite | Webpack | Babel | Jest | TypeScript | GraphQL | ...more.
- *Tooling*: Git | Atlassian | CircleCI | NVM | NPM | NPX | ...more.

Responsibilities | Developments | Collaborations
- Conduct Company, Competitor & Industry research: Goals, UX benchmarking, ...more.
- Conduct User Research: aggregate user needs/frustrations, create Personas for average & cornercases.
- Derive & define Information Architecture from existing User Stories, User Research, and Company research.
- Design & iterate on low-fidelity Wireframing candidates using design elements & principles:
    - lines, shapes, color, texture, typography, etc.
    - Alignment, Contrast, Visual Hierarchy, Proximity, Layouts, Whitespace, Consistency/Unity/Repetition, etc.
- Design & Iterate on high-fidelity Visual Design compositions: Glassmorphic Design, Split-UI, Material, etc.
- Handoff and monitor Usability Testing process (see Nielson Norman Group):
    - Visibility of System Status, Match b/w System & Real World, User Control and Freedom
    - Consistency & Standards, Error Prevention, Recognition Over Recall, Flexibility and Efficiency of Use
    - Aesthetic and Minimalist Design, Help users recognize, diagnose and recover from errors,
    - Help and Documentation
- Conduct and present research for Font and SVG Icon libraries: Bootstrap, Octicons, Google Font, Ionicons, ...more.
- Conduct and present research for Front-End frameworks: Angular, Svelte, React, Vue, Aurelia, LitElement/Polymer, ...more.
- Define Front-End roadmap: infrastructure, theming, feature development, v1 release, ...more.
- Define Front-End technical tasks for application architecture: core, store, environments, playground, routing, layout(s), ...more.
- Establish & implement application architecture based upon roadmap and technical tasks while conducting additional research.
- Triage engineering efforts in tandem with incoming scope-changes from superiors.

Achievements
- Successfully wore UX Design hat.
- Detailed framework evaluation based upon 45 weighted metrics metrics: architecture, nativeness, SDK, and integrations.
- Various low-overhead strategies for achieving *typed event-buses* with *dependent function-parameters* (TypeScript).

Jan 2021 - Aug 2021 | Alfi | Principal Front-End Engineer
Tags: Advertising, GDPR, HIPAA

Scope
- *Process*: Guerilla Process, 2-week Agile (Scrum) | Web | Edge | Machine Learning
- *Projects(2+)*: WebPortal | Device (Android & Web): new & legacy; multiple tablet, multiple Internet Kiosk Systems.

Environment | Technologies
- React | React Native | ReachUI | ADB (Android Debug Bridge) | Python | Cognito | ...more.
- *Tooling*: Git/Hub | Atlassian | G-Suite | Smart Recruiters | ...more.

Responsibilities | Developments | Collaborations
- Successfully open Denver office with CTO.
- Help move and establish each new Denver office location (initial + 2).
- Active & Inactive participatory Sit-Ins with C-Suite: Investor Pitches, Practice Pitches, Shareholder Meetings, Partner, ...more.
- Conduct recruiting within personal and 3rd Party network while monitoring candidate-tracking system (Smart Recruiters).
- Conduct interviews & hiring for frontend, peers and superiors while benchmarking candidates and coordinating with recruiters.
- Conduct both IT & normative onboarding and offboarding efforts in regards to hardware, setup, teardown and Exit Interviews.
- Produce various technical live & take-home tests in JavaScript, CSS, React.
- Collaborate with Business and Engineering personnel across multiple timezones across the United States & United Kingdom.
- Collaborate versioning, Release Candidates and Deployments with peer principals and C-Suite needs.
- Collaborate in helping to define CI/CD branching strategy while integrating into Front-End team's development process.
- Lead Requirements Gathering meetings with C-Suite and other stakeholders each sprint to derive content to aid in planning.
- Collaborate with external contracting companies to provide guidance in needs from a Front-End perspective.
- Coordinate meetings with correct personnel to identify problems and derive solutions for all things product and engineering.
- Coordinate Design, Development, and Testing schedules for Front-End with that of peer principals.
- Coordinate frontend development with Backend, Director of Engineering Belfast, Principal ML, Head of QA, DevOps, ...more.
- Produce & drive frontend standardizations, patterns, practices and discussions thereof to distill team balance therein.
- Manage frontend development based upon expertise, patterns and C-Suite directives for stability & feature development.
- Manage ongoing stabilization and restabilization of Web & Device apps before moving forward between code-freezes.
- Direct Front-End team schedules & goals in accordance with that of others while new client onboarding.
- Direct Front-End team coordination of SPIKEs, Design, and development in accordance with requirements and planning.
- Manage refactors and rewrites with versioning release candidates and timelines derived from business needs.
- Direct and provide feature design and code design to achieve positive feedback loops in development process.
- Direct and coordinate hotfixes and bug resolutions in tandem with versioning, release schedules, and client onboarding.
- Practice 1on1s with frontend team alongside microreporting strategy with Director of Engineering Denver.
- Produce Versioning & Release Candidates with deployments and coordinate such across Web Portal, 100's of Tablets, and Kiosks.
- Spearhead and fully perform consultation with Software Security Expert to determine the best platform for Tablet & Kiosk apps.
- Define & implement frontend application architecture used across Web and Device platforms.
- Produce POC for normative web-tech based, native JavaScript/TypeScript on-device solution for many new & legacy platforms.
- Write tall-order features such as auth (OAuth Code/PKCE), "Campaign Manager" rewrite, Permissions/Feature-Flag/A|B, ...more.
- Work actively on a daily basis to unblock frontend developers from auxiliary system issues using architectural workarounds.
- Participate in frequent full-team lunches.

Achievements
- Opened Denver Office.
- Candidate testing/interviewing, hiring, and tracking (SmartRecruiters).
- High-efficiency standardizations and styleguide.
- Eliminated need for 3rd Party React libraries, such as redux-thunk/sagas through lighter frontend application architecture
- Native Web POC of React Native replacement for Device platform(s).
- Exceptional Triage execution across multiple platforms including various devices.
- Successfully wore Business Analyst hat (Requirements Gathering, Grooming, Planning, collaboration with BizOps, etc)
- People Management and technical directorship.
- Successfully helped move company from startup to small business stage.
- Helped drive meta-process to move company from processless to Agile Scrum.
- Rewrote most-central-feature to free both development and business to seek new opportunities.
- More AWS familiarity

Aug 2020 - Jan 2021 | Eldercounsel | Senior Full-Stack Engineer
Tags: LegalTech, HIPAA

Scope
- *Process*: 2-week Agile (Lean) | CI/CD | ESA
- *Projects(3)*: Monorepo (Paralegal Document Engine) | Microsoft Word Add-In | API (Lambda/Serverless)

Environment | Technologies
- Angular(10) | Python | DynamoDB | Nrwl | NPX | Angular Lib | @Angular/CLI | @Angular/material | RxJS | OfficeJS | ...more
- *Tooling*: Git | Atlassian | GitHub Actions

Responsibilities | Developments | Collaborations
- Attend and collaborate in Lean Agile process for standup, grooming, planning, and retro efforts.
- Collaborate in 100% remote setting to coordinate development efforts, paired programming, and onboarding.
- Leverage monorepo strategy to formulate packaging and deployment strategy.
- Leverage design patterns to develop high-reuse features and adaptive pilots.
- Leverage various technologies to analyze, modify, validate, and track versions of templates and hydrated XML and CSV file data.
- Deliver feature-requests derived by client stakeholders in accordance with user story specification.
- Provide architectural consultation to management according to engineering and business goals.

Achievements
- Lead frontend development direction toward mock and A11y-based content architecture for faster delivery.
- Converted Webapp to PWA for better Fault-Tolerance and User Experience.
- Lead backend development direction toward TDD process.
- Lead backend development direction toward reusable packaging, and common & cohesive Lambda patterns.
- Lead backend development direction toward common, cohesive Python Lambda patterns.
- Designed and implemented architecture around OfficeJS for more effective document editing.
- XPath

Oct 2019 - Dec 2019 | Swisslog Healthcare | Front-End Architect
Tags: HealthTech, HIPAA

Scope
- *Process*: 2-week Agile (Scrum) | CI/CD | SPA
- *Projects(1)*: Framework and High-Distribution Application Core

Environment | Technologies
- Angular(7) | Java | Postgres | Docker | TeamCity | Nexus | Angular Lib | @Angular/CLI | @Angular/material | PrimeNG | RxJS
- *Tooling*: Git | Jira | Crucible

Responsibilities | Developments | Collaborations
- Attend Scrum-of-Scrum meetings and collaborate in discussion of company structure reformation
- Lead development of Distributed Application Core & framework to be consumed by 11+ applications
- Work closely with Chief Designer to align directives of design & engineering
- Work with Documentation Lead and QA Leads align application architecture with testing and documentation needs
- Research and implement architectural solutions to complex asset-management for distribution of Localization files and more
- Research and implement architectural solutions to complex use-cases across various applications and UI/UX needs
- Research and implement architectural solutions to complex development and documentation needs
- Design, define, and improve upon documentation templates used for company-wide Design System showcase and development
- Drive & provide direction with new & existing peers for technical strategy regarding design, development & documentation goals
- Produce high-portability, high-scalability, and high-quality component & modules for various features across various applications
- Onboard new teammates from internal teams and recent hires
- Comport professionally in code-reviews, progress, and strategy check-ins

Achievements
- Build/Deploy and private NPM module registrar using TeamCity and Nexus
- Triaged high-quality development in tandem with high-progression Design System
- High-Distribution Application Core and Framework
- Auth-Permissions and Feature-Flagging Directive

```
Jul 2019 - Sep 2019 | CP&B (Crispin Porter Bogusky) | Full-Stack Technical Lead
Oct 2018 - Mar 2019 | Huron Consulting Group | Lead Front-End Engineer
Apr 2018 - Oct 2018 | Arrow Electronics | Full-Stack Web Engineer III
Jan 2017 - Mar 2018 | CVS | Sr. Web Engineer
Apr 2017 - Sep 2017 | APR (Advertising Production Resources Consulting) | Full-Stack Technical Lead
Oct 2016 - Mar 2017 | BlndSpt | Web Engineer
Apr 2016 - Sep 2016 | HealthGrades | Lead Front-End Engineer
May 2015 - Dec 2015 | Oppenheimer Funds | Sr. Front-End Engineer
May 2010 - May 2015 | Full-Time Employment
Apr 2014 - May 2015 | Colorado State, CDHS (FTE): Denver, CO. Application Developer
Nov 2013 - Feb 2014 | PlaceWise Media (FTE): Denver, CO. Application Developer
Jun      - Nov 2013 | Active Network (Contract): Broomfield, CO. Front-End Developer
Apr      - May 2013 | Null Empire (Contract): Boulder, CO. Full-Stack Developer
Jun 2012 - Jan 2013 | BieMedia (FTE): Denver, CO. Software Developer


2008 - 20** | Entrepreneurial and Training
2010 - 2012 | BaxterBoo.com (FTE): Centennial, CO. Developer in Training / Auxiliary Support Developer
2014 - 20** | Flitter (Entrepreneurial): Denver, CO. Principal Engineer
2012 - 2014 | The Venus Project (Volunteer): Venus, FL. Senior Front-End Engineer
2012 - 2012 | Nei.ghbor.net (Entrepreneurial): Denver, CO. Lead Technology Engineer
2010 - 2011 | Kibbutzer (Entrepreneurial): Denver, CO. Principal Developer
2008 - 2010 | DudesThatKnowStuff (Entrepreneurial): Denver, CO. Co-founder & Developer
```

Auxiliary Developments and Contributions
Browserless https://github.com/cScarlson/browserless: *A superlight unopinionated component-based frontend development framework.*
Motorman https://github.com/cScarlson/motorman: *A Routing Engine for managing Express projects.*
Conductor https://github.com/cScarlson/motorman-conductor: *MochaJS Wrapper.*
AnalogJS https://github.com/cScarlson/analog: *A reasonable JavaScript Event-Logging Strategy across environments & time.*
VerticesJS https://github.com/cScarlson/vertices: *Front-End Application Framework for scalable, sustainable projects.*
PresidentJS https://github.com/cScarlson/President: *Promise A+ conformant promises library.*
Worker.io https://github.com/cScarlson/worker.io: *Custom Events SharedWorker for shared-state across browser tabs.*
sawkit-node https://github.com/cScarlson/sawkit-node: *Node Module and Adapter-Pattern for WebSockets.*
sawkit-client https://github.com/cScarlson/sawkit-client: *Front-End Client Facade for sawkit-node (WebSockets).*
SDB https://github.com/cScarlson/SDB, http://microjs.com/#SDB: *IndexedDB Facade for happy-path DB-Transactions.*
jsonPsync https://github.com/cScarlson/jsonpsync: *Synchronous JSONP calls.*