

Gabriel Perry – Frontend Software Engineer

flupe@flupe.com - 720-565-1569

SUMMARY

20+ years experienced Software Engineer with a strong focus on web technologies, specializing in Angular/Typescript. Known for analytical thinking, problem-solving, and a passion for writing maintainable and well-documented code.

PROFESSIONAL EXPERIENCE

Uplight – Boulder, CO (3/2024 – 12/2024)

Frontend/Angular Contractor – Zilker Partners

Frontend software development using Angular/Typescript for [Uplight](#), an energy tech company.

Technologies Used: Typescript, Angular 17, Open API Tools (v2.7), RxJS (v7.8.1), Angular Material, CSS/Sass, Jasmine (v4), Jest (v29), Karma, StoryBook (v7), CircleCI. **Dev Platform:** MacBook Pro, Linux, zsh. **Tools:** IntelliJ, Chrome, Postman, GitHub, Sourcetree, Jira, Slack, Github Copilot, G-Suite.

- Worked in a fast-paced, highly dynamic and challenging environment rebuilding parts of two Angular applications: **Advisor Portal (AP)** and **Customer Engagement Portal (CEP)**. Features were rebuilt and improved and integrated with a new backend using OAS, Open API Tools. Extensive unit testing.
- Feature Rebuild Highlights: Photo Uploader, Photo Gallery, Report Builder Photos, “Clean Energy” Solutions tagging, Green Button Async Data Download.
- Learned and used an internal UI components library, data-tables, filtering, sorting results, etc. Many small bug fixes and testing were also performed.

EIG – Employers Insurance Group, NV (3/2021 – 8/2023)

Senior Frontend Engineer – Cerity

Software development using Angular/Typescript for Cerity, an EIG technology group who provides an [online workers compensation solution](#).

Technologies Used: Typescript, Angular 10/11, Nx, NgRx (v8), RxJS, Jasmine, Karma, Cypress, Angular Material, CSS/Sass, Jenkins. **Dev Platform:** MacBook Pro, Linux. **Tools:** IntelliJ, Chrome, Git, GitHub, Sourcetree, Jira, Slack, G-Suite, and Microsoft Teams.

- Performed a wide range of engineering tasks including design, new feature development, API integrations (Google Analytics, Braintree, Okta One Inc.), software maintenance, and test development for Cerity’s [Quote Buy Flow](#) and [Customer Portal](#) Angular web applications.
- Operated in a fully remote capacity, using Agile and Scrum methodologies to effectively collaborate with development and testing teams, and business stakeholders located across the United States.

Project Highlights:

- Upon joining, I assumed the responsibilities normally held by two frontend developers. For the following year, I navigated solo in the realm of frontend work, swiftly coming up to speed, proactively having a positive impact on the team and product.
- I played a pivotal role in transitioning the frontend systems from [Amazon Cognito](#) to [Okta](#).
- I assumed a central role in orchestrating the migration of Cerity’s frontend payment system from [Braintree](#) to [One Inc.](#)
- Enhanced and restructured Cerity’s insurance purchasing workflow, enabling precise payment tracking via Google Analytics.

VCA Animal Hospitals, Westminster, CO (9/2018 – 3/2021)

Software Engineer - Camp Bow Wow

Software development using Angular/Typescript for Camp Bow Wow, a leading doggy daycare and boarding franchise with 150+ locations across the United States.

Technologies Used: Typescript, Angular 6/7/8/9, NgRx, RxJS, Jasmine, Karma, Angular Flex Layout, Angular Material, CSS/Sass. **Dev Platform:** MacBook Pro, Linux. **Tools:** PhpStorm, WebStorm, Chrome, Git, Bitbucket, Sourcetree, Insomnia, MySQL Workbench, and Jira.

- New feature and maintenance development in a highly collaborative, fast paced, agile environment.
- Significant system refactorizations and improvements: Payments, Invoices, Reports, internal libraries/utilities.
- Massive endpoint/API integrations/updates in support of significant database and endpoint/API upgrades. Removing NgRx layer and replacing it with direct backend API calls.
- Advocated for the overall improvement of code quality, development processes and (written) communication for the Frontend team.
 - Designed a Typescript and Angular programming style-guide which was adopted by the Frontend development team.
 - Advocated for and helped the team adopt regular code-reviews using Bitbucket.
 - Encouraged the team to write more unit tests, especially for the tricky parts of the code.
 - Worked with management to help refine their Agile/Scrum development life-cycle.
 - Encouraged dev team to be more disciplined regarding code and process documentation as well as design specs/artifacts.
 - Encouraged team to be better with their Jira and written communication: Tickets included proper specs, acceptance criteria, testing tips, etc.

Allscripts, Broomfield, CO (2/2018 – 6/2018)

Contract Software Engineer – Ambulatory Care (EIS)

Software development for Allscripts' Ambulatory Care (EIS) division. Development of an Electronic Health Records system called Paragon Clinician Hub (PCH). My work focused on a subset of PCH called Clinical Documentation or "Clin Doc", an app that helps doctors and clinicians take notes using specialized widgets called Observables when evaluating and assessing patients.

Technologies Used: JavaScript, JQuery, RequireJS, Kendo UI and Sass/CSS. Development in a Windows environment using Microsoft's Visual Studio, TFS (Team Foundation Server), IIS Express and WebStorm.

Staples, Broomfield, CO (5/2017 – 11/2017)

Contract Software Engineer – Identity Management

Software development for Staples' **Identity Management, IdM** group. Main focus was developing a middleware layer between an Angular frontend and a Java Microservices backend for a portion of the Staples.com domain using TypeScript, Jasmine and the Express framework.

I worked closely with a team of IdM backend Java developers and helped them get up to speed with Typescript, Node and the WebStorm IDE. I was also a strong advocate for Agile development processes (and testing) and consistently encouraged my team to apply more engineering discipline to their everyday development tasks, code-reviews and planning activities.

Technologies Used: TypeScript/JavaScript, Node.js, npm, Express, Angular 4, Angular CLI, Jasmine (testing), Java (Spring Boot) Microservices (Netflix OSS), Postman, Swagger, JIRA, Git, BitBucket, Jenkins (CI/CD), and WebStorm.

Trimble, Inc. – SketchUp, Boulder, CO (2/2013 – 11/2016)

Software Engineer III - 3D Warehouse

Extensive feature and maintenance frontend development for [SketchUp's 3D Warehouse](#) using JavaScript and [Google's Closure Tools](#). Built numerous GUI components with extensive API calls to the warehouse backend, DOM manipulation/creation tasks, etc.

Middleware development as well, which supported an API-call simulation layer which was instrumental when first developing the new 3D Warehouse when we didn't have a backend! Extensive unit-test coverage/development. Also, provided mentorship to new hires and junior developers.

Project Highlights:

- Designed and implemented a Search Results component with support for:
 - Query formulation, result-set and query management, advanced user navigation events, infinite-scroll, pagination and film-strips.
- Widget/component and new feature development:
 - Advanced Search page, a Catalog Browser feature, Advanced Search keyword operator support, a SearchBar widget, a SearchSaver Utility, a Site Header widget, and many other features too.
- Internationalization: string extractor/injector utility built in Python. Tool was used by all SketchUp development groups: SketchUp app, Layout, 3D Warehouse, Extensibility, etc.

Technologies Used: JavaScript, Google's Closure Tools, JsUnit, HTML, CSS/Sass, Soy Templates, Knockout.js (light), Python, PyCharm, Git, SourceTree, Rietveld (for code reviews), and JIRA.

PAST POSITIONS, PRIOR 2013

Prior to 2013, I was doing full-stack development using Java and web technologies. For more specific details about these following positions and the positions above please visit my website at:

<https://flupe.com/resume/resume.html>

Convertis Marketing, LLC - Gunbarrel, CO (10/2008 – 1/2013)

Business Applications Developer

Application/web development, database administration, configuration/build management, and 24/7 production support for Boulder-based Internet marketing company.

Technologies Used: Java, Struts 1.2.8, Hibernate 3.1, JSPs, JUnit, JavaScript, Apache HTTP Server, Tomcat (5.5.35), MySQL, SQLyog, ANT, SVN, bash shell scripting, Linux, and the IntelliJ IDE.

Crispin, Porter + Bogusky - Boulder, CO (4/2008 - 10/2008)

TextureMedia, Inc. - Boulder, CO (10/2006 - 4/2008)

Application Developer

Application and web development for Boulder interactive ad agency. NOTE: CPB purchased Texture during my tenure.

Technologies Used: Java, Hibernate (light), JCatapult/Slingshot (Two in-house proprietary Java web development platforms), JSP/HTML, JavaScript, JSON, Cactus/JUnit, POI-HSSF, MySQL, SQLyog, perl, MS-Excel, Tomcat 5.x, ANT, Maven, CVS, and Subversion (SVN) on Windows.

Past Positions Continued...

DigitalGlobe - Longmont, CO (2/2004 - 6/2006)

Software Engineer

New feature and maintenance development using a test-driven development approach for DG's **Customer Front End** team and **Geospatial Commercial Operations**.

Technologies Used: Java, JSPs, JSTL, Struts, JavaScript, JUnit, JSUnit, HttpUnit, XML (XSD, XSL, JDOM, GML, XHTML), EJBs (Stateless Session Beans, MDBs, XDoclet), App Servers: OAS, OC4J & JBOSS, Oracle Spatial, JTS (Java Topology Suite), SonicMQ, perl, bash & korn shell scripting, Redhat Linux, IntelliJ.

Time Warner's Interactive Video Group (MystroTV)

Westminster, CO (7/2003 – 11/2003)

Software Engineer

System and build tools development to support MystroTV's App Server.

Technologies Used: Java, Ant, RPM, and bash shell scripting within UNIX environments (Linux and Solaris).

EDUCATION

- **B.S., Computer Science, 2003** - University of Colorado at Boulder
- **B.A., Psychology, 1997** - Naropa University - Boulder, CO
- Berklee College of Music, 1991-92 - Boston, MA

PERSONAL

- Played guitar with various bands and local musicians over the years with occasional performances and recording projects.
- Teach private guitar lessons on/off since 1995. Teach various styles and levels of playing.
- Maintain a personal website, www.flupe.com, for fun. Topics include: software development, music, and guitar playing.
- Wrote a [lesson series](#) about **music theory** and **improvisation** for guitar players.
- I continue to write and record original guitar music and songs. Some of my work can be found here: <https://flupe.com/music/music.htm>

References available upon request.

Revision Date: *January 8, 2025*