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| ***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](https://www.uplight.com), 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 Porta**l (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](https://cerity.com). ***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](https://quote.cerity.com/quote/name) and[Customer Portal](https://portal.cerity.com/auth/login) 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](https://aws.amazon.com/pm/cognito) to [Okta](https://www.okta.com).
* I assumed a central role in orchestrating the migration of Cerity’s frontend payment system from [Braintree](https://www.braintreepayments.com) to [One Inc](https://www.oneinc.com).
* 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](https://3dwarehouse.sketchup.com/) using JavaScript and [Google's Closure Tools](https://developers.google.com/closure/). 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](https://www.flupe.com/), for fun. Topics include: software development, music, and guitar playing.
* Wrote a [lesson series](http://www.flupe.com/lessons/guitar-lessons.htm) 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* |