



Kyle Dilbeck

Software Development & Engineering

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EDUCATION:

- Bachelor of Science in Computer Science for Software Engineering **California State University Monterey Bay** *BSCS in Software Engineering, May 2020*
- React Expert **Udemy Online** *Certificate in Full Stack React App Development, Jan 2022*

Technical Skills, Tools & Languages (Includes but not limited to):

React / Reactjs, Nextjs, React Native, JavaScript, **Typescript**, REST, Java, Python, express, Django, Redux(w/ toolkit), AWS, **Github**, **GitActions**, **Gitlab**, Figma, Jira, AGILE, SASS, SCSS, CSS, tailwind, HTML & HTML 5, **Ajax**, Docker, SaaS, YAML, **Node.js**, Project Management, MERN(MongoDB, Express, React, Node), Webpack, NGX, CI/CD, SQL, Azure, Dev Ops, Kubernetes, C++, C#, VSC Extension Development & **many npm libraries** such as MUI

Technical Experience:

XYIAN Software - *Sr. Software Developer Remote*

I oversee all aspects of product development, from initial concept to deployment, ensuring that our software solutions meet the highest standards of quality and performance. My role includes managing a dynamic team, driving business growth, and cultivating key partnerships. By combining leadership with hands-on development, I am committed to delivering cutting-edge technology that empowers businesses to thrive in a competitive market.

Position Responsibilities include (but are not limited to):

- Lead small teams (2-5) from concept to shipment my managing project goals, client concerns and hands on code reviews.
- Create and update CI/CD pipelines (Github Actions) to automate testing and deployments.
- Utilize tools such as lazy loading, code splitting, SSR to optimize performance.
- Create and rework theming via SCSS/SASS, tailwind and styled components.

Achievements:

- Created custom UI library (typescript & js w/ jsdoc) including an in-depth wiki.
- Individually shipped 12 full NextJs 14 & 15 web applications (w/ Django/FastAPI backends)
- Created and successfully executed 54 projects with many teams (outsource & client)
- Utilized github(only) to create, manage, test, track, discuss and document projects.
- Conducted consistent code reviews to improve code architecture, design and flow
- Upgraded all existing applications to Python3, Next15 & React19
- Worked directly (sometimes 1 on 1) with clients to interpret their vision into clear milestones

- Lead delivery and maintenance of private SaaS products in the realm of payments, analytics (user, employee & products), real-time dashboards and productivity

Yamaha - *Sr. Software Developer Contract/Hybrid*

As a Sr. Software Developer at Yamaha Motor Company, I bring expertise in Full Stack React-Typescript development, Java, and Git with extensive experience in implementing full applications and Restful services while collaborating with cross-functional teams and ensuring the timely delivery of high-quality products to the large base of users around the world.

Position Responsibilities include (but are not limited to):

- Lead software development project for Yamaha Dealer System (YDS) for migrating from Ext.JS to ReactJS (with typescript).
- Enhanced existing backend resources (Java).
- Taught ExtJs developers the essentials of React, Git and Visual Studio Code.
- Create a React-Typescript project from scratch.
- Developing, testing and shipping full screens in a large scale application using React.
- Implement Restful services, and integrate them with the UI (Java, REST, JSON)
- Collaborate with cross-functional teams to ensure timely project delivery and provide technical guidance throughout the development cycle.

Achievements:

- Created an extensive custom TS component library and corresponding snippet libraries to streamline development and help legacy developers.
- YDS Canada successfully released from ExtJs to ReactJs led by myself and two other developers.
- YDS USA successfully released from ExtJs to ReactJs, led by myself and 12 other developers.
- Migrated 8 large code bases from CVS to github while teaching legacy developers the ins, outs and nuances of github while creating and teaching a unique gitflow tailored for YDS development requirements.
- Published a series of Yamaha extensions on Visual Studio Code Marketplace that are utilized by the YDS team to create a more uniform, organized and readable code base.
- Created a full wiki & documentation for existing components, code practices and gitflow.
- Individually created, tested and shipped 120+ unique screens that are used globally by dealers today.

Bluon Inc - *Full-Stack Developer - Contract/On-site*

Acted as a professional software Swiss army knife by working on multiple projects to provide quick software solutions as complex problems arose, specifically with new and innovative projects. My work has encompassed diverse initiatives such as enhancing user analytics, modernizing and streamlining legacy software and code, managing the launch of new divisions, safeguarding and refining web server performance, optimizing

internal team workflows through software solutions and automations, and executing targeted SEO strategies. Primary tools: python, java, javascript, React, React native, Next.js, Nodejs, mongoDB (MERN), Jira, SQL, Postgres, Redux, Ajax, SaaS, GA4, GCP, GSC, GTM, GAPI, Typescript, Coda, Digital Ocean, Git, php, jquery, Docker, Kubernetes, Ring Central(API).

Position Responsibilities include (but are not limited to):

- Liaison Between the Operations Team, Development Team, Member Support Team, Technical Support Team, Finance Team and Executive Team stakeholders to communicate key information
- Built and enhanced features on top of the existing software stack to enhance cross-server data transfer and enable access to key business insights
- Conducting due diligence on new software to find the most flexible and scalable solution to complex problems while collaborating with COO & CEO
- Creating and managing the entire lifecycle of internal software tools for various teams
- Integrating external software libraries and APIs into new and existing projects
- Maintaining legacy code written by previous developers and creating new and improved solutions that work with the existing code
- Creating and editing the Bluon website, including occasional creation of new pages and helping to maintain internal dashboard accuracy
- Retrieving and organizing data for internal business intel and reporting purposes

Achievements:

- Created and project managed an internal development team while creating software solutions and automations for other teams saving them hours of repetitive work.
- Fully rebuilt and restructured legacy php front and backend to react and nodejs with a mobile-first design. Because of this, Bluon queries received a 250% increase in SEO/indexing (is now ranked #1)
- Created and structured user analytics with GA4 in react and react native and automated structuring data from big query to local production databases to serve internal teams real-time analytics
- Created key dashboards for each internal team with automated, real-time data so their job was easier, quicker, and more effective.
- Created, updated, maintained, and optimized web pages quickly, securely, and organized.
- Presented insights, data, and progress for my team to the CEO, COO and Director of Operations weekly and the entire company monthly.
- Presented to board members & management about software solutions, KPAs and important user analytics by visualizing real-time data along with user analytics.
- Redesigned UI/UX of multiple web pages and app pages to be easier to use and visibly user friendly such as color blind mode and decreased clicks while also improving “first paint” and general paint loading times to increase SEO and loading times in low data areas.

(bluon.com , tdx-20.com, bluonlive.com)

Ikaun (Neudesic LLC) - Full Stack Software Engineer - Contract/Remote

Fast-paced start-up with primary focus on data processing for their users. Tech Stack: React, React Native, .NET 6.0, nodejs, JavaScript, Azure, dev ops, TypeScript, SCSS, SaaS, Python, cloud cluster, click up. Tracked and completed over 30 new features.

Achievements:

- Individually shipped .NET web app through react and migrated older web apps and features from .NET 3.5&4.8 to 6.0
- Embedded and custom web application work creating new features, improving existing features, testing, and bug fixing for web and mobile applications.
- Resolved customer support tickets that required hotfixes & deploys on cluster.
- Updated & recorded all task progress, hours, current code, or sometimes current issues via dev ops, click up, and git.
- Assisted customer meetings, and product releases, conducted code reviews, bug-testing, quality control, and beautification of new features(UI/UX design).
- Introduced the company to Google analytics and tracking customer web traffic.

Media Capital - Python Developer Full Stack - Contract

Developed and Implemented AI-Driven Testing and Monitoring System, Led the design and implementation of a web-based AI system using Python, Flask, and Google Analytics to autonomously test high-traffic web app features. This system continuously analyzes user interactions, identifies optimization opportunities, and improves usability for a seamless experience. Collaborated with clients on product development to align features with user needs. Additionally, built a React-based dashboard that provides real-time performance monitoring, allowing employees to run, update, monitor, and control the system's functionality.

Skills: Web Development · JavaScript · Software Development · Web Services · Algorithms · HTML · Web Applications · Object-Oriented Programming (OOP) · React.js · REST APIs · Python · Project Management · Software Design · GitHub · Agile Application Development · Node.js · Linux

- Designed a scalable REST API using Flask and FastAPI, enabling seamless data retrieval for real-time monitoring dashboards.
- Implemented predictive analytics models to anticipate user behavior and recommend UI/UX changes for a seamless experience.
- Integrated WebSockets and Flask-SocketIO for real-time updates and push notifications.
- Developed custom data visualization components (D3.js, Chart.js, or Plotly in Python) to display system performance insights.
- Automated CI/CD deployment pipelines using GitHub Actions and Docker, ensuring smooth updates to the AI-driven monitoring system.

- Implemented logging and monitoring solutions using Python-based Prometheus exporters and Grafana dashboards.
- Deployed applications on Linux-based cloud environments, optimizing server performance and security.

D&D Construction & Management - *Software Developer - Full Time & Onsite*

Trailblazer in automated drone management and software solutions, designing, creating, and maintaining web applications optimized for large-scale construction projects. Lead the migration of these applications to React for a more modern, scalable front end, enhancing the functionality and user experience. Pioneered multiple software solutions, including automated flight programming, 3D modeling integrations (AutoCAD), and front-end web development. For full details and achievements, please see resume or visit KyleDilbeck.com.

Skills: Reactjs · JavaScript · Software Development · User Story Mapping · Web Services · SQL · Algorithms · HTML · Web Applications · Object-Oriented Programming (OOP) · REST APIs · Python · Search Engine Optimization (SEO) · Project Management · Software Design · CSS · GitHub · Java · Agile Application Development · Node.js · Linux · Autocad · DJI 3D · Procore

Achievements(main):

- Created in house image management app for site and RFI pictures called D-Bot (Java)
- Individually created flight programs for over 200 sites for automated 3D modeling, measurements, timelapse and specific pictures for stakeholders. (python)
- Designed and shipped public facing company web app
- Added many features such as admin, chat and auto-upload features to D-Bot
- Designed and shipped an employee portal for tracking time, tasks and to view project details such as plans, RFIs, schedules, prices, measurements and notes.
- Reworked existing web app to Reactjs with Nodejs while adding many new features such as linking D-Bot to auto upload project pictures and 3D modeling walk-throughs

(see most recent letter of recommendation below)



To Whom It May Concern,

I'm writing to recommend Kyle Dilbeck for your consideration. Kyle has been a part of our team at Bluon for the past 8 months and has been an invaluable asset to our team.

As the Director of Operations, I had the pleasure of working with and directly manage Kyle on a daily basis. Kyle was a great teammate, always reliable and hard working. Kyle thrived on tackling problems that required out-of-the-box solutions and was always up for the challenge. Most importantly, Kyle had a high degree of integrity and was supportive of other team members.

As the Chief Operating Officer, Kyle was a pleasure to work with and manage. Kyle is highly organized, with a great eye for details, and always willing to go the extra mile. Kyle consistently provided us with excellent results and was an invaluable asset to our team.

I am confident that Kyle will be an outstanding addition to your team, and I highly recommend Kyle for your consideration.

Sincerely,

Danica Bunnett
Chief Operating Officer
Bluon, Inc.

Tanner Morgan
Director of Operations
Bluon, inc.