DILLON M. BAIRD

SENIOR SOFTWARE ENGINEER

DETAILS

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PLACE OF BIRTH
Santa Cruz, CA

TECH STACK

JavaScript / TypeScript

Angular / AngularJS

React / React Native

HTML5 & CSS (SCSS/SASS)

NoSQL Database (Mongo, Influx, Redis, Elasticsearch)

Relational Database (MS SQL, MySQL, Postgre)

C# .NET

Node.js

Docker

Python

HOBBIES

When not behind a computer screen you can usually find me out on the water working on my "automated yacht" project, exploring for new camping locations, or working on one of my many electronic projects. Currently studying to get my HAM radio technician license.

PROFILE

Passionate software engineer, UI/UX engineer, systems architect, graphic designer, security researcher, consultant, with 15+ years of experience; adept in all stages of advanced software development and effective design. Knowledgeable in user interface, testing, and debugging processes. Able to effectively self-manage during independent projects and collaborate in a team setting.

Committed to working as an efficient, positive team member while striving to utilize my knowledge and expertise for optimal engineering results.

EMPLOYMENT HISTORY

Senior Software Engineer, VP, Truist Financial Corporation (Formally SunTrust Bank)

Jun 2017 — Present

At Truist I work close and effectively across multiple business sectors in order to support consumer-facing products, as well as internal applications used by operations and other engineering departments.

- Regularly communicate and produces creative solutions to help automate internal processes. On-call 24/7 supporting the live production environment.
- As the Lead ADA Compliance Engineer (Americans with Disabilities Act), I put together a team that I trained and lead through a large restructuring of our existing code base in order to meet compliance requirements.
- As a UI/UX engineer, I take a personal interest and find passion in ensuring our customer experiences are accessible to the full spectrum of a user's abilities.

Director of Systems & Support, Keco Pump & Equipment / MarineSync

Nov 2015 — Jun 2017

- Oversaw e-commerce strategy - including restructuring inventory system, custom integration with SAP Business One, implementation of Magento with multiple web-stores, and secure vendor portal.
- Facilitated collaboration with partner company; designing and producing embedded telemetry monitoring device with custom HMI for remote industrial equipment monitoring.
- Implemented company-wide infrastructure upgrade, including data center and on-premise equipment.
- Due to numerous locations being prone to frequent hardware damage, implemented a thin-client/network boot solution to minimize productivity downtime in manufacturing.

UI/UX Specialist, Holonis, Inc.

Apr 2013 — Nov 2015

- Redeveloped web platform in new language (switching from ASP.NET/SQL to AngularJS/MongoDB) in order to establish a clear path for future development and expansion of engineering teams.

- Produced minimal/aesthetically pleasing UI designs to enhance user experience.

Senior Software Engineer, MarineSync Corporation
Apr 2012 — Apr 2013

- Designed & developed mobile/web application for existing remote vessel monitoring hardware.
- Collaborated/assisted with development of future hardware revisions.
- Produced all technical documentation for devices and software.

Software Engineer / 3D Motion Artist, Readylink Healthcare (DBA Skomar)
Jun 2011 — Feb 2012

- Developed solution to enhance the management of a nurse staffing agency.
- Sourced mobile device hardware that meet HIPA compliance, developed custom Android OS ROM to tie into VOIP systems, encrypted communication channels, training, etc; Beta test was a success and was handed off to in-house development team.

Production Manager / Lighting Designer, Props Fx Productions
Feb 2008 — Oct 2010

- Managed/Produced large-scale events, concerts, and more.
- Laser Repair Technician Certification acquired for operation of lasers that were modified in-house to produce visible light and used for events.
- Company contracted by DHS to assist in producing training events for local agencies across California, requiring security clearance.

Network Administrator / Systems Architect / Help Desk, Miracle Springs Resort & Spa
Mar 2005 — Oct 2010

AWARDS & RECOGNITION

Executional Excellence Award
Truist Financial Corporation

"Dillon exemplifies executional excellence to the highest degree. In years past he led and currently leads the charge to roll-out and become subject matter expert on all things related to the Americans With Disabilities Act implementation on our public facing website. He did the research, transferred knowledge, mentored, willingly and frequently makes himself available to answer any questions. The degree of which he dedicates himself is inspiring and a model for all other employees to follow."

"While maintaining his own full plate, Dillon willingly and gladly offers up his assistance, ideas, dedicates time and effort to other individuals and other teams. He does so with a great attitude and with a smile. He's an invaluable asset to the company, a pleasure with whom to work with and continues to have a significant positive impact on the organization as a whole."

SIDE PROJECTS/ACTIVITIES

"M/V Antigua", Automated Yacht
Apr 2019 — Present

Custom embedded control/monitoring/automation system created for a 65-foot motor yacht named "Antigua" that I've lived aboard since purchasing in early-2019.

I found Antigua to be the perfect opportunity for me to hone current skill-sets and develop new ones while pursuing my passion for the ocean; building a custom

hardware/software solution that controls all systems and aspects of the vessel. Navigation/autopilot control, lighting, safety and even amateur oceanography; are all driven by open-source hardware, self-designed PCBs, or hardware sourced from oversea suppliers (display panels, sensors, etc).

Software Stack: Node.js, Angular, Python, & InfluxDB. Containerized and hosted on a Kubernetes cluster.

"Das Boat", Low-Cost AUV/ROV

2021 — Present

Currently working on design of a low-cost, modular AUV (Autonomous Underwater Vehicle) equipped with the necessary sensors (sonar, cameras, hydrophone, ph, salinity, etc) for amateur underwater charting and exploration.

Though still early in it's planning phase, I have high hope for it's potential and plan to release under an open source license.

Project Cognition, Non-Profit

2018 — Present

Originally starting as a way for me to give back to my local community, Project Cognition has grown into a small team of hard working individuals dedicated to making an impact; helping educate, empower and inspire many in need across the world through technology

Initial efforts have been focused on bringing supplies to coastal communities in need and assisting establish business/export relations with local artisans located in remote villages. Currently pursuing our 501C3 status so we can expand our reach and our potential to make a difference.

WORK SAMPLES

In recent years, the majority of my design work has been secured by clients under an NDA, however I can be granted permission to share in some cases. Most of my work that's available to be seen online is fairly outdated and/or has since been changed since my involvement and no longer represents the skill sets I hold today.

Additional samples can be provided upon request.

LightStream   LightStream.com

2017 — Present

Consumer Lending website for Truist Financial Corporation. Responsible for design, maintenance, new development, and testing. Although now involving a large development team, originally it began as just myself and a few others in frontend development. Website has evolved over time; initially mostly asp.Net, but my contributions quickly converted code base to AngularJS, and now Angular running a custom component library with a modified CMS.

Holonis   Holonis.com

2013 — 2015

"**Holonis** is the evolution of social media and e-commerce, the social commerce platform."

Holonis' tech was closely guided by CEO Richard Hollis (formerly of Genentech Pharmaceuticals) and functionally modeled after a holon; something that is simultaneously a whole in and of itself, as well as a part of a larger whole. This at this time was felt to be an evolution to the micro-service approach.

As one of the few founding engineers, my responsibility was for the initial design, architecture, and development of the platform. As the company has grown, platform no longer resembles the platform I build as the foundation.

REFERENCES

Zachary Schenkler from Twism
Head of Product | Zach@Twism.com

Nathan Skerl from Truist Financial Corporation
Software Engineering Director | Nathan.Skerl@Truist.com

Kshitij Deshmukh from Truist Financial Corporation
Group Vice President, Architecture | Kshtij@Gmail.com

Fausto Ruvalcaba from Truist Financial Corporation
Senior Software Engineer, VP | Fausto@HindSightMetrics.com

Joy Banting from Truist Financial Corporation
Marketing VP | Joy.Banting@LightStream.com

Michael Bickford from Miracle Springs Resort & Spa
CEO & President | MBickford@MiracleSprings.com