BULENT SARP YESILYURT

7323951738 | bulentil1752@gmail.com | https://bulent-yesilyurt.vercel.app/ | https://www.linkedin.com/in/bulentyes

EDUCATION

University of California - Los Angeles (UCLA), Los Angeles, CA   Expected June 2026

Computer Science, BS

- Relevant Coursework and Concepts: Introduction to Computer Science, Data Structures and Algorithms, Computer Architecture, Software Construction, Operating Systems, Deep Learning, OOP, CyberSecurity

SKILLS

- Languages/Frameworks: C++, JavaScript, Python, Java, C, Markdown, HTML, CSS, Swift, Emacs, Git, Linux
- Tools and Libraries: Node.js, React.js, Express.js, MongoDB, Firebase, Google Cloud Platform, OpenMP, Selenium, Webpack, Craco, Pyodide, RESTful APIs, Docker, Mongoose, AWS

PROFESSIONAL EXPERIENCE

Prudential Financial | *Software Engineering Intern*   June 2025 - August 2025

- Improved internal Middleware APIs in Python and developed comprehensive tests using pytest to provide coarse-grained access token validation used in both Authorization and Client Credentials Oauth2.0 flows, affecting more than 50% of the API interactions at the Enterprise
- Developed a new encryption/decryption library using HashiCorp Vault (Transforms and Transit engine) in Java, helping teams store data at rest and in transit between server-to-server interactions
- Devised comprehensive threat models of company products and SaaS vendors (e.g. Github Agentic Copilot)

2SigmaSchool | *SWE Intern*   June 2024 - September 2024

- Constructed a browser-based Python IDE utilizing Pyodide library, Worker API, and Python-JS proxies that can run code efficiently and render plots for 15+ graphical Python libraries
- Implemented concurrent code-running prevented blocking through the use of three web workers and a custom prototyped Virtual DOM to increase application speed by 50%
- Developed a custom 'graphics' library in Python that supports drawing and game development in the browser

Kommu | *Software Consultant*   December 2023 - February 2024

- Implemented robust User authentication logic through email and password or phone number using Firebase and Node.js on backend and React.js on frontend for web portal
- Developed user authentication via phone number using Firebase on iOS, implemented in Swift, working with ViewModel-Model (VMM) architecture
- Improved efficiency of database operations such as account retrieval(reduced time by 80%) by leveraging the use of JWTS (login and refresh tokens)

PROJECTS

2ndPulse | *CTO*   June 2024 - December 2024

- Co-founder and CTO of an IOS app that aggregates personal connections across platforms (LinkedIn, Gmail, WhatsApp, etc.)
- Gained admission into Telora Fellowship (1 of 9 teams out of 900 applicants) and served to 50+ beta users
- Developed using Flutter, Firebase Firestore, Cloud Functions, and Realtime Storage

BruinRide | *Developer*   September 2023 - Present

- Lead developer for a web app that uses Firebase, Node.js, and React.js to allow students to form rideshare groups
- Developed Firebase cloud functions on backend and used Firebase OAuth protocol SDKs to allow users to sign in with Google or email and password
- Incorporated Firebase's Realtime Database, Authentication, and FireStore Database to persistently store User data and to form rideshare groups

TravelBrain | *Developer*   April 2023

- A web app that recommends travel itineraries to users, leveraging ChatGPT API to render the travel itineraries and the Embedded Google Maps API to construct and display shortest paths between locations.
- Utilized MERN (MongoDB, Express.js, React.js, Node.js) stack to design frontend, middleware, and backend

LINKS

https://github.com/bulenty584