

Bunlong Heng

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TECHNICAL SUMMARY

- **Front End Language:** HTML, CSS, JS
- **Front End Framework/Library:** Vue.js, React
- **Back End Language:** PHP, Javascript (Node.js)
- **Back End Framework:** Laravel, Express.js
- **Scripting:** JS, PHP, Python, Bash
- **Database:** MySQL, PostgreSQL, DynamoDB, RDS
- **Package Management:** NPM, Yarn, Composer
- **Build Tool:** Grunt, Webpack, Vite
- **Automation:** Selenium IDE, Cypress, Browserstack
- **Performance:** Lighthouse, Datadog (RUM + APM)
- **Local Environment:** Docker, Vagrant, Virtual Box
- **Design:** Photoshop, Sketch, Figma, Keynote
- **Project Hosting:** Bitbucket, GitHub, GitLab
- **Project Organization:** Jira, Confluence, Notion
- **AWS:** EC2, S3, RDS, CloudFront, Route53
- **Serverless:** Lambda, DynamoDB, ECS, Fargate
- **Pentest:** Nessus, Burp Suite Pro, nmap, OpenVas
- **Authentication:** OpenID, SAML, JWT, OAuth2
- **API integration:** Facebook, Google
- **Caching:** Nginx, Redis, Cloudflare, CloudFront
- **Logging:** Console, File, Database, CloudWatch
- **Server Management:** Linux (*Ubuntu, Kali*)
- **Web Server:** Nginx, Apache
- **Cloud Hosting:** Heroku, Linode, AWS
- **IOT:** Alexa, SmartThings, IFTTT, WebHook

EXPERIENCES

Senior Full Stack Web Developer & Architect / Thryv / Dallas, TX

(01/23-present)

- Designs **architectures** and documents system workflows to meet business objectives.
- Leads the integration of web/mobile **authentication** with **Auth0** across all Thryv applications.
- Coordinates with Thryv developers to ensure accurate data flows through **Tealium** to **Heap** and **Pendo**.
- Leads **technical** meetings with external engineering teams (Tealium, Heap, Pendo, **Sigma**, **CommandAI**).
- Develops **Tray.io** workflows to integrate RESTful services for Auth0, Pendo, Heap, and Snowflake.
- Implements **SAML 2.0 authentication** with custom assertions for Zendesk integration with Auth0.
- Architects and develops the Advanced Campaign Editor (ACE) **react application** for the Thryv **Business** Center Team.
- Writes **Python** scripts to parse Excel files and folders, apply logic, and generate the output folder as a zip file.
- Builds back-end APIs using **Node.js**, Express.js to support CRUD operations, including **Amazon S3** integration.
- Develops the ACE **React app** to interact with APIs and **bee.io** for email templating.
- Writes Cypress.io **E2E tests** for login, CRUD operations, and logout functionalities.
- Contributes to **Cloud Application Security Assessment (CASA)** processes for the Command Center.
- Integrates and tests **Datadog** RUM and APM across Thryv applications for sessions replay, and monitoring.
- Reviews and approves product team tickets to align **Reporting Center** features with business goals.
- Designs high-level **diagrams** and plans, presenting them to squad leaders and developers before development.
- Collaborates with **Data** engineers to ensure accurate database schema design and resolve any data-related topics
- Creates detailed **documentation** with diagrams, code snippets, and step-by-step guides for the team.
- Provides **support** to developers during and after implementation to resolve any technical questions.
- Develops a model **checklist** for performance, security, and reliability across all Thryv centers.
- Works with the QA team to ensure application **performance** meets expectations.
- Works with security team and devops to enhance best practices and ensure **OWASP Top 10** compliance.
- Creates monitoring **dashboards** in Datadog to track API integration distribution and page load performance.
- Configures Datadog to trigger email, SMS, or Slack message **alerts** for API performance and threshold breaches.
- Implemented **failover strategies** using AWS Global Accelerator, Route 53, and multi-region deployments.
- Conducted **security assessments** and applied proactive mitigations to protect web applications.
- Architected solutions with AWS **Well-Architected principles**, ensuring security, reliability, performance, cost efficiency, and sustainability.

Senior Web Developer / Monitaur.ai / Danbury, MA

(07/22-12/22)

- Contribute to the design, architecture, and development of Monitaur core web applications
- Make architectural front-end changes and own implement them using Vue.js (v2 & v3)
- Write tests and contribute to ongoing automation infrastructure development
- Patch Security Vulnerabilities based on the Pentest report
- Integrate Datadog logging with Django & Vue.js applications

Senior Full Stack Web Developer / Benu Networks, Inc. / Billerica, MA

(10/15-06/22)

- Work explicitly with MVC Frameworks: Laravel 8.
- Planning and implementing web projects to meet the needs of the organization
- Develop complex applications using the appropriate approach and technology
- Build Admin, MHN portal, and release to Telus in Canada
- Build Microservices using Node.js and integrate with Fortinet Security for Telenet, Belgium
- Build Admin, MBN, SMB, and CarWash portals for Telenet, Belgium
- Build Admin, NetOS, BOSS, and Operation portal for Comcast, US, Telecentre S.A. in Argentina
- Build an iOS app that manages home network and profiles for Liberty Global in the UK
- Integrate OpenID Connect with the user portal for MBN and SAML 2.0 with the admin portal for MBN, SMB, and MHN
- Led the Facebook Wi-Fi project and worked closely with the Facebook Wi-Fi team to get Benu Networks Certified
- Contribute to re-design and developing Benu networks enterprise portal using React

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science / University of Massachusetts of Lowell / Lowell, MA

(2014)

AWS Certified Cloud Practitioner- Issued: January **2025**

AWS Certified Solutions Architect – Associate - Issued: January **2025**

CompTIA PenTest+ Certification - Issued: May 2020

Certified Ethical Hacker (CEH) Certification - Issued: March 2020