

Kenneth Allen

Full-stack software developer
Melbourne, Victoria

mobile: 0479 136 822
email: kenneth@kallen.dev
web: https://kallen.dev

I am a full-stack software developer with 7+ years experience in creating software to meet people's needs. I am always interested in opportunities to develop my skills and career. I am friendly, conscientious, and responsible in the office and out. I have worked as both software vendor and client, which gives me a holistic perspective on the process of integrating new technology into a business. Please feel free to contact me!

I immigrated from America a few years ago to be with my long-distance Australian partner. We live in the Elsternwick area of Melbourne and my favorite thing about the city is being able to get almost anywhere without needing a car. My main interests are technology, videogames, board games, and science fiction. I like to spend my free time hacking on personal coding projects, cooking, gaming, and trying to convince people to play four-hour European economic board games.

2021 – Present: **Software Developer at Liberty Financial**

Liberty Financial is a financial services company based in Melbourne, Victoria.

- **I collaborate closely with a focused team inside a larger organization.** My “Customer Delight” squad is responsible for all systems that service a portfolio of billions of dollars of settled loans and other financial products.
 - I meet business goals by uplifting our borrower web portal (upgraded Angular/C# microservices, moved to Azure Blob Storage/CDN, inviting NZ customers) and supporting a new dealership inventory finance product.
 - **I maintain and improve existing systems**, like the batch process to change interest rates and notify customers, as well as our secure Visa network integration.
- I find opportunities to implement systemic improvements that save time, prevent mistakes, and reduce maintenance burden, like optimizing slow database queries and giving other departments self-service tools.
- I handle tickets from across the business during the day and support critical nightly processes after-hours.
- I learn collaboratively with my team as our department moves toward a goal (“North Star”) of Kubernetes and F#.

2019 – 2021: **Software Developer / Development Lead at OnQ Software**

OnQ Software is a laboratory software company based in Melbourne, Victoria.

- **I led the project to rebuild our flagship product** with modern technologies (Angular, REST API, Elasticsearch).
 - I developed the new AWS cloud infrastructure and DevOps workflow.
- **I maintained our legacy ASP.NET product** with fixes and enhancements.
- I implemented new client systems in diverse scientific domains: gathering requirements, developing integrations and workflows, and designing critical custom reports. Examples: ingesting data from scientific instruments, billing Medicare, tracking biobank inventory, presenting medical test results.
- I administrated and supported live client systems in daily contact with users. I was entrusted to be sole reachable technician.

2015 – 2018: **Integrations Developer at Savannah's Candy Kitchen**

Savannah's Candy Kitchen is a gourmet candy and baked goods retailer in Savannah, GA, USA.

- **I was solely responsible for all in-house development and integration.** I linked order and inventory systems, integrated third-party marketing systems, automated data entry tasks.
- I transitioned website, warehouse, and retail away from legacy software. I maintained and extended legacy systems.
- I provided IT support, analyzed sales, trained users, conducted interviews, audited billings, and did warehouse labor.

Technologies

Web: HTML, JavaScript/DOM, CSS, HTTP 1.1/2/3, TCP/IP, TLS and PKI, DNS, OSI model, routing, WebSockets, CDNs
Server: Docker, Kubernetes, Linux (especially Debian-based), Windows Server, Nginx, IIS
Cloud: AWS (trained as Solutions Architect Assoc.), Azure, VMs, object storage, serverless containers/functions, OAuth 2.0
Coding: JavaScript/TypeScript (Node, React, Angular), C#, F#, Rust, Python, Java, C/C++
Data: SQL databases (PostgreSQL, MS SQL Server, MySQL), Redis, Elasticsearch, report templates, Microsoft Excel
Collaboration: Azure DevOps, Jira, Confluence, support ticketing, Microsoft Office 365, Google Workspaces
Hardware: troubleshooting, installing, upgrading, networking, homelab (Raspberry Pis and gaming PCs!)

Qualifications

Bachelor of Computer Science (2017)

- **Studied** 2008 – 2010 at Georgia Institute of Technology (Atlanta, GA, USA).
- **Completed** 2016 – 2017 at Armstrong State University (Savannah, GA, USA), now part of Georgia Southern University.
- **Co-author**, “Private Matching and Set Intersection Computation in Multi-agent and Industrial Control Systems” with A. Rasheed, R. Mahapatra, D. Puthal. **Presented** the research at CISRC, 5 April 2017, Oak Ridge National Laboratory.