

JONATHAN BUCHNER

Greater Seattle Area, WA, US
me@jonathanbuchner.com

Full-Stack Software Engineer

Full-stack software engineer with five years of experience building production software. I also have four additional years of experience leading classroom technical instruction and providing mentorship at Microsoft. Focused on backend, cloud, and front-end systems. Currently completing capstone requirements for a master's degree in computer science at Harvard Extension School.

jonathanbuchner.com linkedin.com/in/buchner github.com/JonathanBuchner/

SKILLS

LANGUAGES

C#, TypeScript, JavaScript, Java, C++, HTML, CSS

FRAMEWORKS & PLATFORMS

.NET Framework / Core, ASP.NET, Node.js, Electron

CLOUD TECHNOLOGIES

RESTful Design and Architecture, Microsoft Azure, Cloud Computing, AZ App Service, AZ Storage, AZ Functions, Microsoft Entra ID, Application Insights, AZ Monitor, AZ Static Web Apps, AZ Virtual Machines, AZ WebJobs, Managed Identities, AZ Virtual Network, AZ Load Balancer

FRONT-END DEVELOPMENT

Figma, UX Design & Prototyping, Accessibility & Usability Testing, Component-Based UI and Frameworks

DATABASES

SQL, Solr

DEVOPS & TOOLING

Git & SVN, GitHub & Azure DevOps, Release Planning, Build Pipelines, Automated Testing, Docker, CI/CD

AI & MODERN CLOUD

Azure OpenAI, AI Ethics & Responsible AI, Prompt Engineering

INSTRUCTION & LEADERSHIP

Curriculum Development, Classroom Instruction, Early and Returning Career Mentorship

TESTING FRAMEWORKS

.NET testing frameworks, MSTest, Mocha,

EXPERIENCE

CURRENT

Master's Candidate in Computer Science

Jan 2026 - Present

Harvard Extension School · Boston, MA, US · Remote · Part-time

Currently I am a part-time graduate student and I will complete my capstone course in Fall 2026.

From Fall 2024 through Fall 2025, I was enrolled full-time and completed coursework in software design principles, computer architecture, cloud computing with Microsoft Azure and OpenAI, user experience engineering, data science and AI ethics, algorithms, and systems programming.

PREVIOUS

Software Developer

Jul 2023 - Aug 2024

Envision (now Capacity) · Greater Seattle Area, US · Hybrid

Returned to Envision to develop software that captures computer audio, video, and business intelligence data, processes media in the cloud, and streams it to web browser clients. Envision provides workforce optimization solutions for contact centers for customers like Starbucks, Blue Cross Blue Shield, and Southwest Airlines, allowing organizations to review, evaluate, and improve customer interactions at scale.

HIGHLIGHT: ENVISION QUERY LANGUAGE (EQL)

Designed and implemented Envision Query Language (EQL), a domain-specific query language inspired by Jira Query Language. EQL enables users to search, filter, and sort large datasets of calls using fields such as assignee, labels, dates, and custom attributes. Technologies included C# with ASP.NET 4.7 and TypeScript.

Software Engineer Instructor

Dec 2019 - Jul 2023

Microsoft · Redmond, WA, US · Hybrid · Contract

Served as a Microsoft Leap instructor for Software Engineering, Technical Program Management, and Product Management pathways, preparing apprentices to join Microsoft teams. Microsoft Leap recruits, develops, and upsills unconventional talent for employability in the technology industry worldwide.

HIGHLIGHT: SWE AND TPM INTERNAL PATHWAYS

Led the design, development, and instruction of the first Microsoft Leap internal program, a six-month pathway reskilling data center technicians into Software Engineer and Technical Program Manager roles at Microsoft.

Jasmine, Selenium

CERTIFICATIONS

MICROSOFT

Microsoft Certified: Azure Fundamentals (AZ-900)

LINKEDIN LEARNING

Figma for UX Design

Project Management Simplified

Product Management First Steps

PM: Building a Product Strategy

PM: Building a Product Roadmap

PM: Preventing Scope Creep

Creating Flowcharts for Beginners

Agile Foundations

HTML Essential Training

Learning Azure DevOps

Azure DevOps First Look

React: Building Styles with CSS Modules

React: Using TypeScript

C#: Advanced Practices

Gretchen Rubin on Creating Great Workplace Habits

Overcoming Imposter Syndrome

Influencing Others

HIGHLIGHT: TPM AND PM CURRICULUM

Led development of the Microsoft Leap Technical Program Manager and Product Manager curriculum for the classic four-week classroom experience.

HIGHLIGHT: TECHNICAL PROGRAM MANAGEMENT

In addition to instructing, took on development work for Microsoft Leap's website management and application tracking system.

Software Developer

Jan 2017 - Oct 2018; Mar 2019 - Dec 2019

Envision (now Capacity) · Greater Seattle Area, US · Hybrid

Worked on solutions that capture computer audio and video, process media in the cloud, and stream content to web clients, empowering organizations to review, evaluate, and improve customer interactions at scale.

HIGHLIGHT: SMART AGENT CLIENT

Built a cross-platform desktop application to capture a user's screen, program audio, and business intelligence data from applications to support agent coaching and compliance recording. Technologies included Electron, TypeScript, Node.js, and Vue.js.

HIGHLIGHT: MEDIA PLAYER

Reduced cloud processing costs by moving resource-intensive media processing from Azure to client applications and simplifying media delivery pipelines. Technologies included C# with ASP.NET 4.7 and TypeScript.

HIGHLIGHT: JUNIOR DEVELOPER INTERNSHIP, JAN 2017 - FEB 2017

Completed a five-week junior developer internship at Envision.

HIGHLIGHT: SOFTWARE DEVELOPER IN TEST, FEB 2017 - OCT 2018

After interning at Envision, moved into a software developer in test role focused on writing automated tests and drafting release plans.

Web Development Instructor

Jan 2017 - Aug 2017

Epicodus · Greater Seattle Area, US · In-person · Part-time

Taught two 15-week evening programming courses on web development and principles of programming.

PREVIOUS TO CODING

Before moving into software engineering, I built a strong foundation in operations, people leadership, and community building. At The North Face, I helped manage retail operations and a 24-person staff. At Mercer Island Presbyterian Church, I led middle school programs and events serving more than sixty students. At Whitman College, I managed residence halls and supervised a student leadership staff of Resident Assistants and Scholastic Advisers.

EDUCATION

Master of Liberal Arts (ALM) Degree Candidate

Jan 2023 - Dec 2026

Harvard Extension School · Cambridge, MA, US · Hybrid · Full-time / Part-time

Master's candidate in Computer Science completing final capstone requirements. Coursework emphasizes software design, systems programming, algorithms, cloud computing, UX engineering, and responsible AI. Current GPA 3.76.

Introduction to Computer Science Using Java II

Discrete Mathematics for Computer Science

Data Structures

Unix/Linux Systems Programming

User Experience Engineering

Systems Programming and Machine Organization

Computer Architecture

Cloud Computing and OpenAI with Microsoft Azure

Software Design: Principles, Models, and Patterns

Introduction to Algorithms and their Limitations

Data Science and Artificial Intelligence: Ethics, Governance, and Laws

Computer Science Precapstone

Computer Science Capstone

Technical Certificate

2016 - 2017

Epicodus · Seattle, WA, US · In-person

Completed a coding academy program focused on web development and principles of programming.

Bachelor of Arts

2003 - 2009

Whitman College · Walla Walla, WA, US · In-person

Completed a liberal arts undergraduate degree in Religion.