

# W.S. Gong

AI Documentation &  
Agentic Engineering

tech.ws-gong.com  
ws@ws-gong.com  
linkedin.com/in/billy-gong

Twenty-five years shipping software—QA automation, test architecture, API documentation, developer tooling—then an MFA in Creative Writing. Now I build spec-to-docs pipelines, agentic QA workflows, and docs-as-tests systems on the Anthropic SDK, LangChain/LangGraph, and MCP. Documentation accuracy as an engineering problem, not an editorial one.

The MFA sharpens everything: API references that read like they were written for humans, developer guides that get used, and a 200-submission editorial pipeline for The Rumpus under Roxane Gay—run on deadline alongside technical work.

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## EXPERIENCE

### Independent

2022 – Present  
San Francisco, CA

### Technical Writer & Developer, AI Documentation

End-to-end documentation pipelines: OpenAPI/Swagger specs, JSON Schema, and Postman collections in; production-ready API references, developer guides, and quickstart tutorials out. Deployed via Vercel with CI/CD.

Agentic QA workflows in Python: AI agents autonomously exercise API endpoints, construct adversarial payloads, validate response schemas against documented contracts. Docs-as-tests catches drift before users do.

Production-grade AI agents on the Anthropic SDK, LangChain, and LangGraph. Tool-use loops, multi-agent state, MCP server integration (Gmail, Calendar, Drive). Fluent across the Claude model family: chain-of-thought, few-shot, XML-structured prompting, Constitutional AI, prompt injection defense.

### The Rumpus

2024 – Present  
Remote

### Fiction Editor (Roxane Gay, Editor-in-Chief)

Full editorial pipeline for a major independent literary publication: intake, triage, structural editing, copyediting, production handoff. Hundreds of submissions per cycle. Mentor junior editors.

## **Slack Technologies**

2017 – 2020  
San Francisco, CA

### **Technical Lead Manager / Staff Engineer**

Wrote the API references, integration guides, SDK documentation, and platform tutorials that became the primary implementation reference for the Slack developer ecosystem.

Quality authority across eight feature teams shipping Block Kit, Workflows, and platform APIs on Hack/HHVM, React/Redux, Electron, WebSockets. Scaled QA 3x across three offices. Drove frontend coverage to 90% via Cypress.io shift-left strategy.

Built internal Slack Web API tooling adopted by external developers as official documentation examples. Ran weekly coding workshops (Node.js, QA tooling) as official onboarding for engineers from non-traditional backgrounds (Year Up, Next Chapter).

Directed four senior/staff engineers; promoted three. Designed a technical interviewing framework adopted company-wide.

## **Appthority**

2015 – 2017  
San Francisco, CA

### **Quality Engineer (acquired by Symantec)**

Full-stack E2E testing platform: Cucumber, Ruby on Rails, Selenium WebDriver, SauceLabs, Circle CI. Authored API specs, test plans, and architecture records that transferred intact through the Symantec acquisition.

## **GoPro**

2012 – 2015  
San Mateo, CA

### **Quality Engineer**

Ruby-based REST API testing framework with OAuth integration. Custom Ruby gem for automated RSpec test generation. Org-wide JMeter performance testing practice; delivered curriculum to 30+ developers, cut load testing time 70%.

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## **PREVIOUS EXPERIENCE**

**Kyte**, Quality Engineering Manager (2010 – 2012)

**Coincident TV**, Senior QA Engineer (2008 – 2010)

**Adobe Systems**, Flex Builder Software QE III (2006 – 2008)

**Keepmedia, Inc.**, Senior QA Engineer (2003 – 2006)

**FutureTrade Technologies**, Sales Engineer (2001 – 2003)

**Pixel Translations**, SQA Engineering Lead (1997 – 2001)

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## SKILLS

### AI & Agentic Systems

Anthropic SDK (Claude), LangChain/LangGraph, MCP server integration, multi-agent orchestration, tool-use loops, prompt engineering (chain-of-thought, few-shot, XML-structured), Constitutional AI, hallucination mitigation

### Documentation Engineering

Spec-to-docs pipelines, docs-as-tests, docs-as-code (Markdown, Vale, Git), API references, developer guides, SDK tutorials, quickstart guides, runbooks, style guides, content strategy

### Languages & Frameworks

Python, JavaScript/TypeScript, Node.js, Ruby, React/Redux, Next.js, Hack/HHVM, Rust, Go, HTML/CSS

### Testing & Automation

Cypress.io, Playwright, Selenium WebDriver, Appium, Cucumber/RSpec, Pytest/Jest, JMeter, SauceLabs, Charles Proxy, Postman, CI/CD (GitHub Actions, Jenkins, Circle CI)

### Platforms

Vercel, Slack Web API/Platform, Electron, WebSockets, OpenAPI/Swagger, JSON Schema, Git

### Editorial

Structural/developmental editing, copyediting, Chicago Manual of Style; Fiction Editor, The Rumpus; published in Sewanee Review and Fourteen Hills

### Leadership

Team scaling (4→12 engineers), headcount planning, technical interviewing framework design, curriculum development, mentorship (Year Up, Next Chapter)

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## EDUCATION

2020 – 2024

### San Francisco State University

MFA, Creative Writing — Fiction

Thesis: The Tiger and the Persimmon. Faculty Lecturer. Published in Sewanee Review and Fourteen Hills. Bread Loaf · Sewanee · Tin House · Kenyon Review · VONA · VCCA. Coursework in Technical Editing and Technical Writing.

1995

### University of California, Santa Barbara

BA, Philosophy and English

### Professional Development

Certificate in Professional Editing, UC Berkeley Extension (2023)

Application Development with Ruby on Rails, General Assembly (2012)