## **DESIGNING SECURE SOFTWARE.** Copyright © 2022 by Loren Kohnfelder

All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

Printed in the United States of America

First Printing

 $25\ 24\ 23\ 22\ 21 \qquad 1\ 2\ 3\ 4\ 5\ 6\ 7\ 8\ 9$ 

ISBN-13: 978-17185-0192-8 (print) ISBN-13: 978-17185-0193-5 (ebook)

Publisher: William Pollock

Production Manager: Rachel Monaghan Production Editor: Katrina Taylor Developmental Editor: Frances Saux Technical Reviewer: Cliff Janzen Cover Illustrator: Rick Reese

Cover and Interior Design: Octopod Studios

Copyeditor: Rachel Head

Compositor: Jeff Lytle, Happenstance-Type-O-Rama

Proofreader: May Huang

For information on book distributors or translations, please contact No Starch Press, Inc. directly:

No Starch Press Inc.

245 8th Street, San Francisco, CA 94103 phone: 1-415-863-9900; info@nostarch.com www.nostarch.com

Library of Congress Cataloguing-in-Publication Data

Names: Kohnfelder, Loren, author.

Title: Designing secure software : a guide for developers / Loren Kohnfelder. Description: San Francisco : No Starch Press, 2022. | Includes index. |

Summary: "An introduction to computer security that focuses on basic security concepts, like threats and how developers mitigate them. It covers the process of reviewing design documents with security in mind and explores techniques attackers use to exploit systems and how to protect against them with secure coding and development practices"--

Provided by publisher.

Identifiers: LCCN 2021032322 (print) | LCCN 2021032323 (ebook) | ISBN

9781718501928 (print) | ISBN 9781718501935 (ebook)

Subjects: LCSH: Software engineering. | Software architecture. | Computer security. | Application software--Development.

Classification: LCC QA76.758 .K675 2022 (print) | LCC QA76.758 (ebook) |

.lassification: LCC QA76.758 .K675 2022 (print) | LCC QA76.758 (ebook DDC 005.1--dc23

LC record available at https://lccn.loc.gov/2021032322

LC ebook record available at https://lccn.loc.gov/2021032323

No Starch Press and the No Starch Press logo are registered trademarks of No Starch Press, Inc. Other product and company names mentioned herein may be the trademarks of their respective owners. Rather than use a trademark symbol with every occurrence of a trademarked name, we are using the names only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

The information in this book is distributed on an "As Is" basis, without warranty. While every precaution has been taken in the preparation of this work, neither the author nor No Starch Press, Inc. shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in it.